



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Horizon 2020 Project Design

*Corso di formazione complementare per Dottorandi 2017
Aula Magna*

Dipartimento di Giurisprudenza Via San Geminiano 3, Modena

**Donata Franzì
Ferdinando Di Maggio**

UNIMORE

Università degli Studi di Modena e Reggio Emilia

Ufficio Ricerca internazionale – International Research Office

Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Agenda

Progettare in ambito europeo

- Dalla identificazione del problema alla definizione della proposta progettuale
- Applicazione dei concetti chiave della progettazione a casi concreti:
 - Costituzione gruppi di lavoro e Lettura dei Topic di Horizon 2020, Programma quadro europeo per la Ricerca e l'Innovazione, individuati
 - Esercitazione: individuazione di Obiettivi, Attività, Risultati Attesi
 - Raccolta dei contributi dai gruppi di lavoro
- Analisi del model template di Horizon 2020
- Il Participant Portal

UNIMORE

Università degli Studi di Modena e Reggio Emilia

Ufficio Ricerca internazionale – International Research Office

Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Il Progetto

insieme di **attività mirate** al raggiungimento di **obiettivi chiaramente definiti**, entro un determinato **periodo di tempo** e con un **budget prestabilito**

([Project Cycle Management Guidelines](#) – Commissione Europea – marzo 2004)

UNIMORE

Università degli Studi di Modena e Reggio Emilia

Ufficio Ricerca internazionale – International Research Office

Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

... *prima del progetto*

Identifying negative situations  Develop a Clear Problem Analysis

Showing relationships  cause-effect  Find means-ends relationships already existing

Stay focused on problems requiring suitable solutions  Identify additional means that might be required to achieve desired ends



Analisi e pianificazione

ANALYSIS PHASE

- ↓ **Stakeholder analysis** - identifying & characterising potential major stakeholders; assessing their capacity
- ↓ **Problem analysis** - identifying key problems, constraints & opportunities; determining cause & effect relationships
- ↓ **Objective analysis** - developing solutions from the identified problems; identifying means to end relationships
- ↓ **Strategy analysis** - identifying different strategies to achieve solutions; selecting most appropriate strategy.

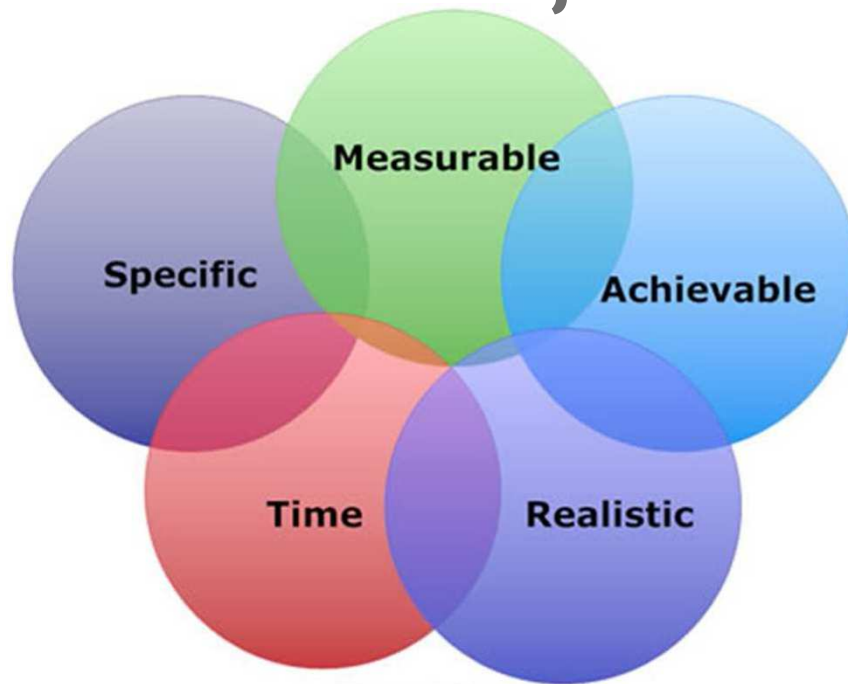
PLANNING PHASE

- ↓ **Project definition** - defining project structure, testing its internal logic & risks, formulating measurable indicators of success
- ↓ **Activity scheduling** - determining the sequence and dependency of activities; estimating their duration, and assigning responsibility
- ↓ **Resource scheduling** - from the activity schedule, developing input schedules and a budget



Objectives

SMART Objectives



Specific to the objective it is supposed to measure

M measurable (either quantitatively or qualitatively)

A Available at an acceptable cost

R Relevant to the information needs of managers

T Time-bound – so we know when we can expect

the objective/target to be achieved



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Intervention strategy

Non tutti i problemi possono essere risolti...non tutti gli obiettivi possono essere perseguiti durante la durata del progetto

Criteri chiave per la definizione della strategia:

- Contributi attesi rispetto agli obiettivi chiave
- Benefits per i target groups
- Complementarietà con altri programmi, policies in attuazione o programmate
- Azioni & Mezzi (i.e analysis, studies) richiesti
- Costi dell'azione e risorse finanziarie dei donors

– Pay attention to Call text!



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Project Action plan

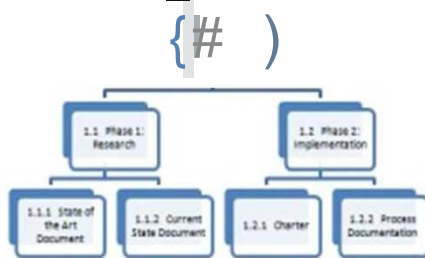
Identificare le attività principali

Work Breakdown Structure: Scomposizione del progetto in parti più piccole secondo una struttura ad albero

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico

WBS - Chart Format



WBS - Outline Format

- 1 Process Improvement Project
 - 1.1 Phase 1: Research
 - 1.1.1 State of the Art Document 1.1.2 Current State Document
 - 1.2 Phase 2: Implementation
 - 1.2.1 Charter
 - 1.2.2 Process Documentation

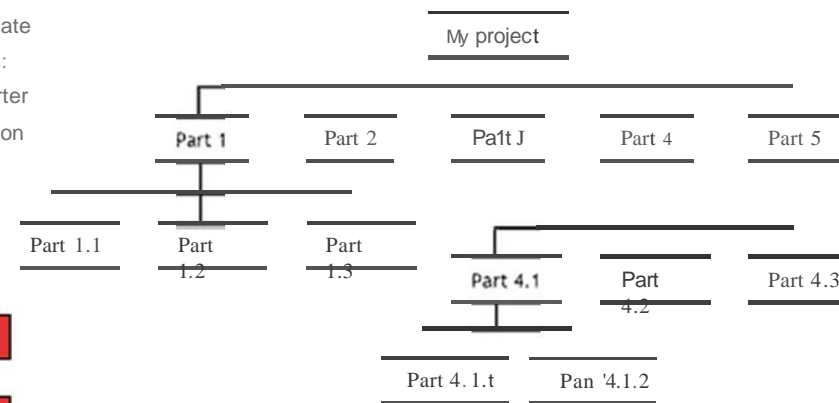
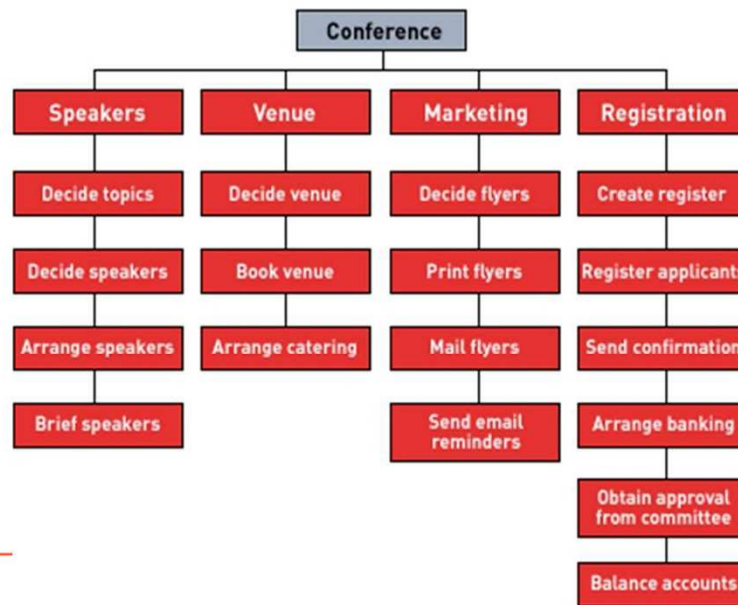


Figure 1: Work Breakdown Structure shows "child" and "parent" branches.





UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Project Action plan

Identificare le attività principali

Work Breakdown Structure: Scomposizione del progetto in parti più piccole secondo una struttura ad albero

Organizzarle in Work Packages (WP)

Macrofasi (WP) del progetto

Tasks:

Ogni livello inferiore (Tasks) rappresenta una definizione sempre più dettagliata di un componente del progetto

Per ogni Task si prevede:

- > descrizione del lavoro da compiere.
- > durata.
- > risorse che realizzeranno l'attività e la responsabilità dell'esecuzione.
- > costo.
- > momenti di verifica dello stato di avanzamento lavori.

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



Table 3.1a: Work package description

For each work package:

Work package number	Start Date or Starting Event						
Work package title							
Participant number							
Short name of participant							
Person/months per participant:							

Objectives

Description of work (where appropriate, broken down into tasks), lead partner and role of participants

Deliverables (brief description and month of delivery)

Work Package description

Example

Work package number	4	Start date or starting event:	1
Work package title	Insertion of the crops in the existing agricultural systems		
Activity Type ¹⁵	RTD		
Participant number	1	5	6
Participant short name	CRES	UNIBO	WNIRZ
Person-months per participant:	38	10	8
Participant number	14	17	22
Participant short name	FCT UNL	IBFC	ARC
Person-months per participant:	12	14	14

Objectives: The main objective of WP4 is to investigate all the important parameters (agronomic and harvesting) for the successful insertion of the five selected crops in the existing agricultural systems.

Description of work (possibly broken down into tasks), and role of participants:

Task 4.1 Agronomic aspects for the successful insertion in the existing agricultural systems (Task leader: CRES).

In this task several agronomic aspects will be tested for the successful insertion of the studied crops in the existing agricultural systems: the rotation systems, the determination of realistic yields when cultivated in large fields as well as cultivation with waste water. *In this task emphasis will be given in flax, hemp and kenaf because two of them already cultivated in Europe and the third crop is clear to commercialisation.*

Sub-Task 4.1.1 – Crop rotation trials (CRES, UNIBO, IBFC, ARC) The importance of crop rotation has been long recognized as an alternative system that can reduce agriculture's dependence on external inputs through internal nutrient recycling, maintenance of the long-term productivity of the land, avoidance of accumulation of diseases and pests associated with monocropping and increased crop yields. However, barriers that would stop farmers for adopting crop rotation systems are the need for diversified farm activities, and information, as well as more diversified equipment and storage facilities. In 4FCROPS (www.4fcrops.eu) crop rotations have been suggested for three out of the five selected crops. In this task two crop rotations will be tested: a) the three of the crops (hemp, flax and kenaf) to act as leading crop, following by a cereal and legume and b) in a rotation dedicated to non-food uses with rapeseed as a leading crop,



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Il partenariato

- Chi sono gli attori che devono essere necessariamente coinvolti?
- Consorzio e Workplan non sono indipendenti

Balance, Complementarity, Excellence, Commitment

- Il coordinatore deve imporre la pianificazione delle attività e dei temi trattati
 - No free riders
 - Coinvolgete solo coloro di cui vi fidate



UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



Who's who in a project

1. **Stakeholders:** Individuals or institutions that may – directly or indirectly, positively or negatively – affect or be affected by a project or programme.
2. **Beneficiaries:** Are those who benefit in whatever way from the implementation of the project. Distinction may be made between:
 - (a) **Target group(s):** The group/entity who will be directly positively affected by the project at the Project Purpose level. This may include the staff from partner organisations;
 - (b) **Final beneficiaries:** Those who benefit from the project in the long term at the level of the society or sector at large, e.g. “children” due to increased spending on health and education, “consumers” due to improved agricultural production and marketing.
3. **Project partners:** Those who implement the projects in-country (who are also stakeholders, and may be a ‘target group’).





Risultati

Risultati Finali (di Progetto)

- I Risultati devono rispondere agli obiettivi della call
- Per ogni Obiettivo è sempre opportuno individuare
 - uno o più Indicatori di Impatto,
 - ogni indicatore deve essere verificabile

Risultati Intermedi (di WP)

- Ogni Wp e suo Tasks concorre al raggiungimento dell'obiettivo principale del progetto
- E' opportuno che ogni WP abbia un suo obiettivo specifico,
- Risultati, intermedi rispetto al risultato finale del progetto, indicatori/strumenti di verifica



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

I risultati quindi possono essere

- **Risultati intermedi**
 - necessari al raggiungimento dei risultati principali (deliverables).
- **che verranno usati per monitorare l'implementazione del progetto.**
- **materiali: prototype of platform, software, pubblicazioni, report**
...
- **immateriali: nuova conoscenze (report)**



Deliverable vs Milestone

- **Deliverable**

- Il/i risultato/i di un singolo WP che può essere consegnato alla Commissione o ai valutatori come dimostrazione del lavoro svolto.
- Descrivere tutti i deliverables che sono attesi dalle attività di un particolare WP.
 - ✓ Tipicamente i deliverables sono: rapporti, linea guida, protocolli, speciemen, prototipi, blueprint, operazioni di scaling-up ecc.
 - ✓ Evidenziare / indicare quali deliverables, possono servire da input per altri workpackages.

- **Milestone**

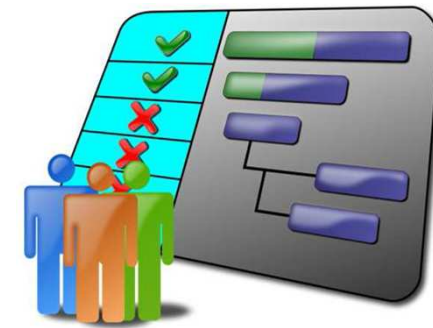
- Sono risultati “di riferimento” che sono da raggiungere durante la vita del progetto e sono cruciali per la continuazione del progetto e la valutazione dei suoi progressi.
- Un milestone può risultare dall’amalgama e dall’aggregazione dei deliverables provenienti da uno o più work-packages, specificamente se un WP rappresenta un passo in avanti verso il raggiungimento di un traguardo (milestone).
- E’ perciò possibile che non tutti i WP producano o generino dei milestones.
- Il risultato di una attività necessario per realizzare attività successive.
- Punto identificabile nel tempo.





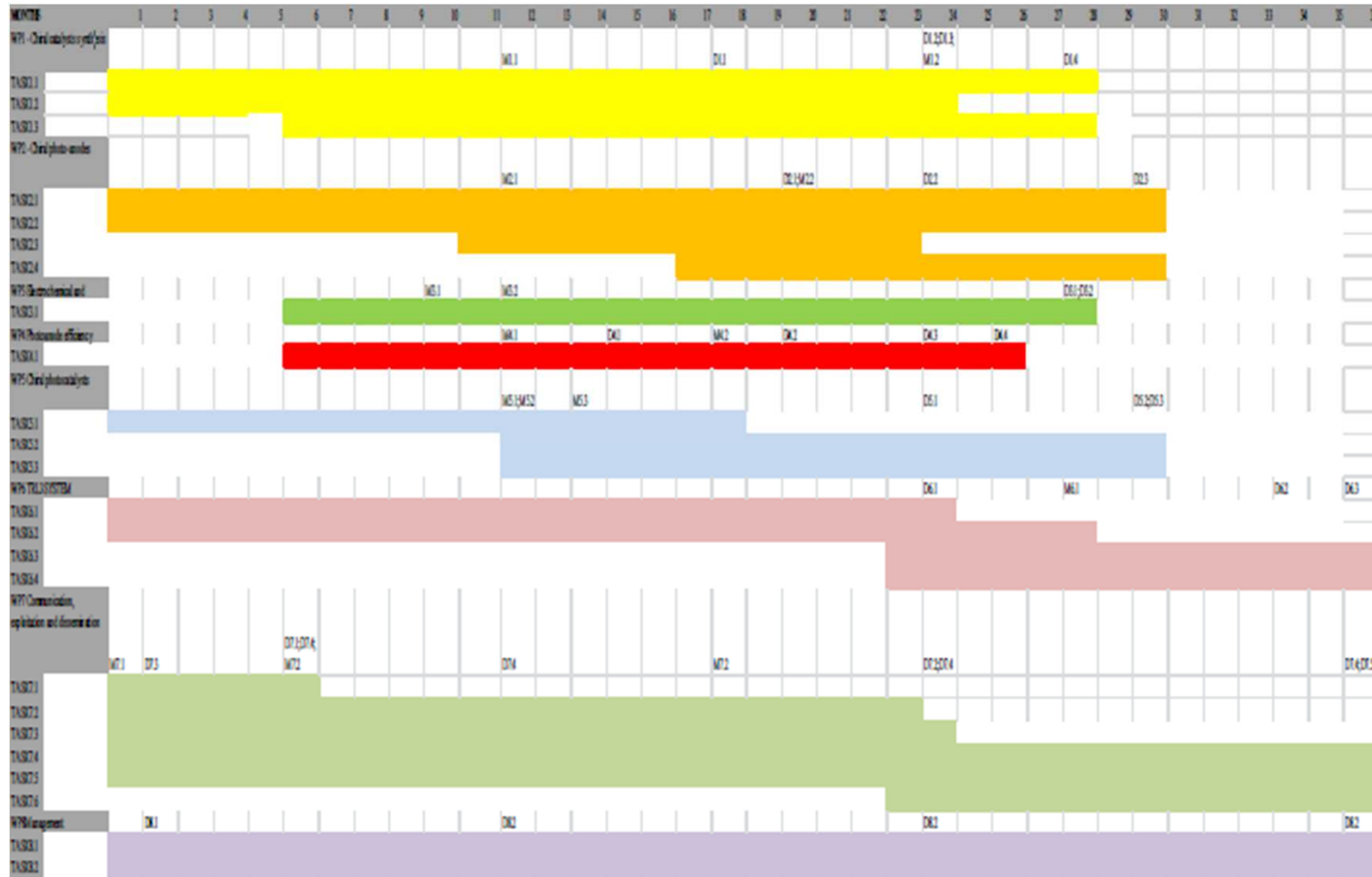
Il progetto ha una durata limitata...collocare le attività necessarie al raggiungimento dell'obiettivo della call in un quadro temporale preciso

- **Project scheduling**
- Il diagramma di Gantt è una rappresentazione su scala temporale dell'evoluzione del progetto. Ogni barra rappresenta un'attività (W.B.E. / WP o task), la lunghezza di ognuna di esse è proporzionale alla durata dell'attività che rappresenta e viene collocata sulla scala temporale in rappresentanza dell'attività stessa.





Gantt Chart





UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Horizon 2020 – Il Programma quadro europeo per la Ricerca e l’Innovazione

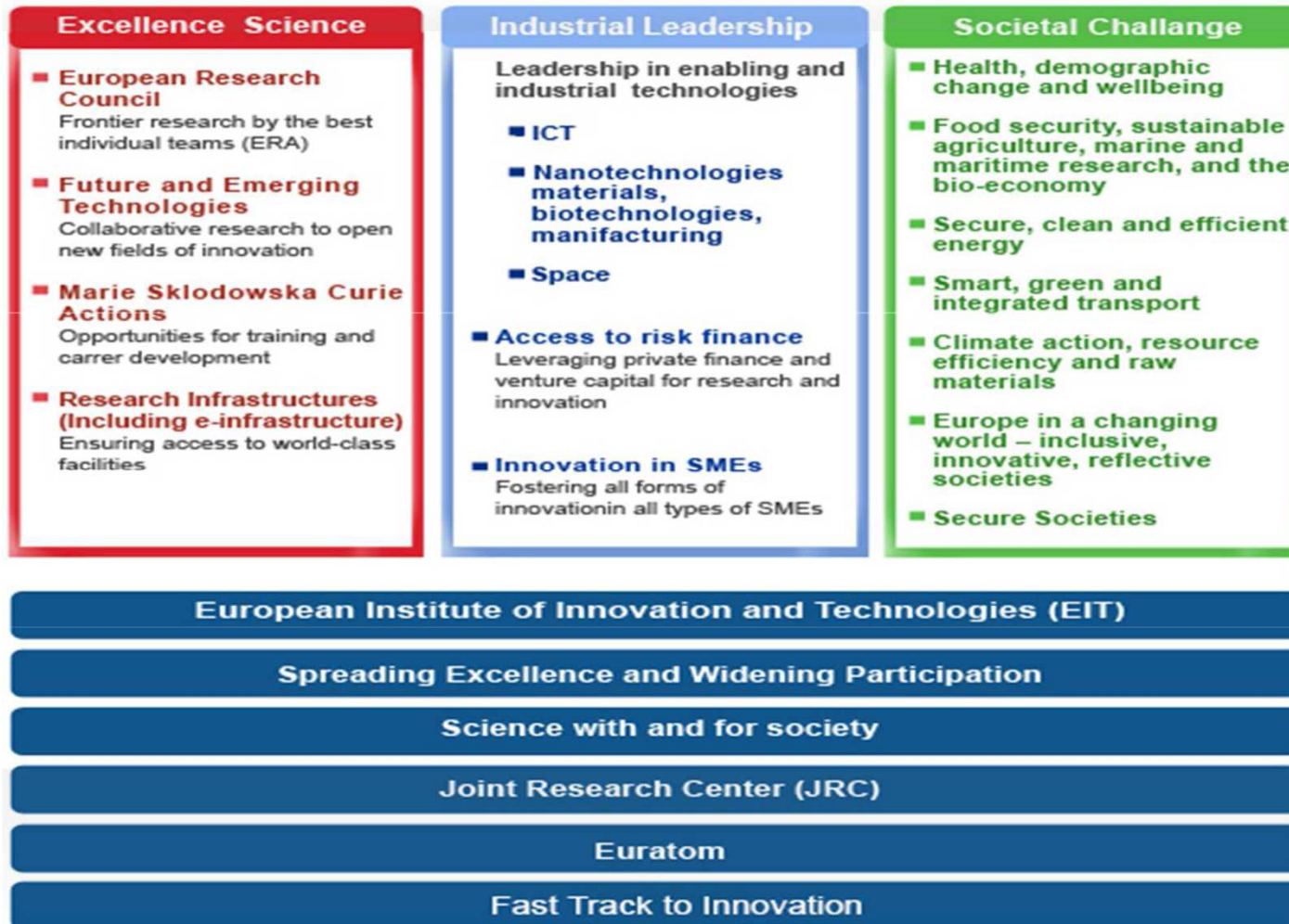
UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Struttura del Programma Horizon 2020





In **Horizon 2020** sono possibili due tipi di approccio a specifici problemi

Approccio bottom-up dove il proponente è libero di presentare il proprio argomento di ricerca (nel rispetto dei principi etici di Horizon 2020 e nel rispetto delle condizioni poste dal Work Programme).

- MSCA (Marie Skłodowska-Curie Actions)
- ERC - l'European Research Council
- FET OPEN (Future and Emerging Technologies)
- Strumento PMI

Approccio top down dove è la Commissione europea a vincolare gli argomenti su cui fare ricerca, identificati dai **TOPIC** presenti nei diversi Programmi di lavoro tematici.

Principalmente nei Pilastri

- Industrial leadership e
- Societal Challenge

Il problema
da risolvere
è definito a
monte!



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Il Work Programme - WP

Il Work Programme è un documento che raccoglie, per ogni tema specifico (Salute, Ambiente, Energia etc.) le principali problematiche di ricerca che gruppi di lavoro ad hoc hanno evidenziato e che rappresentano le sfide per il prossimo triennio.

Nel WP si trovano gli **argomenti di ricerca** e tutte le informazioni sul bando:

- criteri di ammissibilità;
- tipo di partenariato richiesto;
- specifiche sul budget;
- indicazioni sulle azioni di finanziamento...

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Esempio di Topic nel WP

Specific Challenge: Flexible and Wearable Electronics combines new and traditional materials with large-area processes to fabricate lightweight, flexible, printed and multifunctional electronic products. The challenge is to tap open opportunities in existing and emerging markets by pushing technology barriers further and demonstrating innovative use in sectors that could benefit from such innovations.

Scope: To fully exploit the potential of Flexible and Wearable Electronics and overcome barriers of manufacturability, challenges need to be addressed in materials, processes for large-area fabrication and quality control, integration technologies, and demonstrating innovative and sustainable products for professionals and consumers. This topic will support advances in device technology and related manufacturing processes. Proposals can address one or more of the following topics:

- **Enhancing manufacturability:** Addressing advances in combined organic and printed electronics and large area deposition technologies resulting in multi-functional components; and/or equipment and processes for large-scale fabrication, mass-customisation and characterisation as well as textile compatibility, whenever relevant.
- **Integration technologies:** It addresses the development of new concepts for the integration of transducers, energy and data storage elements, logic, displays and light sources, as well as new interconnection technologies

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Esempio di Topic nel WP

It is expected that projects addressing manufacturability would demonstrate production capability in a **laboratory environment (TRL4)**.

For integration and device demonstration, it is expected that technologies are **validated in laboratory or relevant environments (TRL4-5)**, and that industrial exploitation is clearly identified.

Expected Impact: Proposals should address some of the following impact criteria and provide metrics to measure and monitor progress

- Technology leaps related to improved performance
- The emergence of new products based on the combination of printed and large area processed electronics
- Increased R&D cooperation in technology device development
- ...

The Commission considers that proposals requesting a contribution from the EU between EUR 2 and 4 million would allow this area to be addressed appropriately. Nevertheless this does not preclude submission and selection of proposals requesting other amounts

Type of Action: Research and Innovation action

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



Call e Topic

- Solitamente le Call in H2020 sono suddivise in topic
- In Participant Portal è possibile consultare le **call** ed i rispettivi **topic** in cui sono suddivise

Calls for Proposals

Horizon 2020

Advanced search for topics
Calls for tenders on TED

- Marie-Sklodowska-Curie Actions
- Research Infrastructures
- Industrial Leadership**
- Leadership in enabling and industrial technologies (LEIT)**
- Information and Communication Technologies
- Nanotechnologies
- Advanced materials
- Biotechnology

Status Calls with forthcoming topics Calls with open topics Calls with only closed topics

Sort by Call title Call identifier Publication date

Call Title	Publication date
Industrial Leadership Information and Communication Technologies H2020-ICT-2018-2020	27 October 2017
Industrial Leadership EU-Japan Joint Call H2020-EUJ-2018	27 October 2017
Industrial Leadership EU-Korea Joint Call H2020-EUK-2018	27 October 2017



Call e Topic

- Cliccando sul link del topic si arriva alla pagina di dettaglio
- E' anche possibile fare una ricerca per parole chiave (topic)

CALL: INFORMATION AND COMMUNICATION TECHNOLOGIES [Call budget overview](#)
Call identifier: H2020-ICT-2018-2020
Publication date: 27 October 2017

Horizon 2020
Pillar: Industrial Leadership
Work Programme Year: H2020-2018-2020
Work Programme Part: [Information and Communication Technologies](#) [H2020 website](#)

Call summary and aims [+ More](#)
It is expected that this call will continue in 2020.
Drawing on the success of actions of previous work programmes leveraging cascading grants to enable

Call updates [+ More](#)
• **31 October 2017 00:32** The submission session is now available for: ICT-24-2018-2019(CSA), ICT-13-2018-2019(CSA), ICT-28-2018(RIA), ICT-12-2018-2020(CSA), ICT-32-2018(RIA), ICT-29-2018(RIA), ICT-07-2018(RIA), ICT-04-2018(RIA), ICT-25-2018-2020(CSA), ICT-02-2018(RIA), ICT-07-

To access **existing draft proposals**, please login to the portal and select My Proposals from the My Area menu.

Status Forthcoming Open Closed

Sort by (Planned) opening date Deadline Topic title Topic identifier

Topic: ICT-01-2019: Computing technologies and engineering methods for cyber-physical systems of systems **Forthcoming**
Publication date: 27 October 2017

Types of action: CSA Coordination and support action, RIA Research and Innovation action
DeadlineModel: single-stage **Deadline:** 28 March 2019 17:00:00
Opening date: 16 October 2018
Time Zone : (Brussels time)

Topic: ICT-02-2018: Flexible and Wearable Electronics **Open**
Publication date: 27 October 2017

Types of action: RIA Research and Innovation action
DeadlineModel: single-stage **Deadline:** 17 April 2018 17:00:00
Opening date: 31 October 2017
Time Zone : (Brussels time)

Topic: ICT-03-2018-2019: Photonics Manufacturing Pilot Lines for Photonic Components and Devices **Forthcoming**
Publication date: 27 October 2017

Types of action: IA Innovation action
DeadlineModel: single-stage **Deadline:** 28 March 2019 17:00:00
Opening date: 16 October 2018
Time Zone : (Brussels time)



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Applicazione dei concetti chiave a casi concreti

Esercitazione: lettura del Topic e individuazione

- delle Principali problematiche affrontate,
- degli Obiettivi delle proposte progettuali,
- dei Risultati Attesi

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Altri aspetti chiave dei Topic

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Research and Innovation Action

Description: Action primarily consisting of activities aiming to establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution. For this purpose they may include basic and applied research, technology development and integration, testing and validation on a small-scale prototype in a laboratory or simulated environment.

Projects may contain closely connected but limited demonstration or pilot activities aiming to show technical feasibility in a near to operational environment.

Funding rate: 100%



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Innovation Action

Description: Action primarily consisting of activities directly aiming at producing plans and arrangements or designs for new, altered or improved products, processes or services. For this purpose they may include prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.

Projects may include limited research and development activities.

Funding rate: 70% (except for non-profit legal entities, where a rate of 100% applies)

UNIMORE

Università degli Studi di Modena e Reggio Emilia

Ufficio Ricerca internazionale – International Research Office

Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Innovation Action

A **‘demonstration or pilot’** aims to validate the **technical and economic viability** of a new or improved technology, product, process, service or solution in an operational (or near to operational) environment, whether industrial or otherwise, involving where appropriate a larger scale prototype or demonstrator.

A **‘market replication’** aims to support the **first application/deployment in the market** of an innovation that has already been demonstrated but not yet applied/deployed in the market due to market failures/barriers to uptake. 'Market replication' does not cover multiple applications in the market of an innovation¹⁵ that has already been applied successfully once in the market. 'First' means new at least to Europe or new at least to the application sector in question. Often such projects involve a validation of technical and economic performance at system level in real life operating conditions provided by the market.

UNIMORE

Università degli Studi di Modena e Reggio Emilia

Ufficio Ricerca internazionale – International Research Office

Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Coordination and Support Actions

Description: Actions consisting primarily of accompanying measures such as standardisation, dissemination, awareness-raising and communication, networking, coordination or support services, policy dialogues and mutual learning exercises and studies, including design studies for new infrastructure and may also include complementary activities of strategic planning, networking and coordination between programmes in different countries.

Funding rate: 100%

UNIMORE

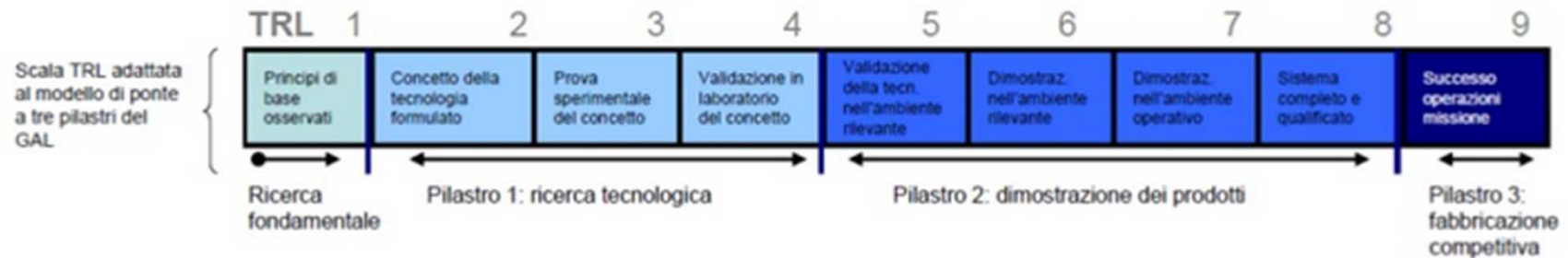
Università degli Studi di Modena e Reggio Emilia

Ufficio Ricerca internazionale – International Research Office

Direzione Ricerca e Trasferimento tecnologico



Il TRL e le tipologie di Azioni



TRL 1 – basic principles observed

TRL 2 – technology concept formulated

TRL 3 – experimental proof of concept

TRL 4 – technology validated in lab

TRL 5 – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)

TRL 6 – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)

TRL 7 – system prototype demonstration in operational environment

TRL 8 – system complete and qualified

TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies or in space)



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Gender matters

- Gender balance in research teams

Horizon 2020 encourages a balanced participation between women and men in research activities at different stages of the cycle. To reinforce applicants' engagement at proposal level, gender balance in the research team has been included among the ranking factors to prioritise proposals with the same scores.

- Gender balance in decision-making
- Integrating gender/sex analysis in R&I content

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Intellectual property rights

Patent databases

ex. <http://it.espacenet.com>

IPR helpdesk

www.ipr-helpdesk.org

Previously funded projects FP7

http://cordis.europa.eu/fp7/projects_en.html

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Analisi del model template di Horizon 2020

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

La struttura della proposta in Horizon 2020

PART A ADMINISTRATIVE INFORMATION

PART B TECHNICAL INFORMATION

Utilizzate SOLO i formulari della Commissione o in generale dell'ente finanziatore!!!!

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Part B Sez 1. Excellence

1. Objectives

2. Relation to the work programme

Indicate the work programme topic to which your proposal relates, and explain how your proposal addresses the specific challenge and scope of that topic, as set out in the work programme.

3. Concept and approach

Describe and explain the overall concept underpinning the project. Describe the main ideas, models or assumptions involved. Identify any trans-disciplinary considerations;

Describe the positioning of the project e.g. where it is situated in the spectrum from 'idea to application', or from 'lab to market'. Refer to **Technology Readiness Levels** where relevant. (See General Annex G of the work programme);

Describe any national or international research and innovation activities which will be linked with the project, especially where the outputs from these will feed into the project;

Describe and explain the overall approach and methodology, distinguishing, as appropriate, activities indicated in the relevant section of the work programme, e.g. for research, demonstration, piloting, first market replication, etc;

Where relevant, describe how **sex and/or gender analysis** is taken into account in the project's content.

4. Ambition

Describe the advance your proposal would provide beyond the state-of-the-art, and the extent the proposed work is ambitious. Your answer could refer to the ground-breaking nature of the objectives, concepts involved, issues and problems to be addressed, and approaches and methods to be used.

Describe the innovation potential which the proposal represents. Where relevant, refer to **products and services already available on the market**. Please refer to the **results of any patent search carried out**.

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Part B Sez 2. Impact

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Part B Sez 3. Implementation

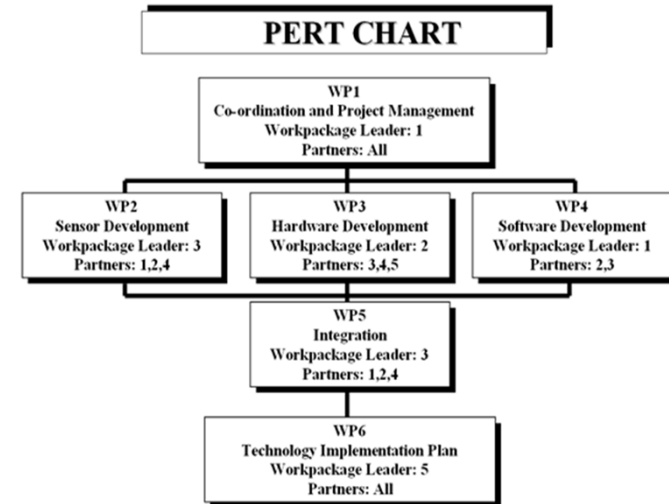
- **brief presentation of the overall structure of the work plan**
- **timing of the different work packages and their components (*Gantt* chart or similar)**
- **detailed work description, i.e.:**
 - a description of each work package
 - a list of work packages
 - a list of major deliverables

Graphical presentation of the components showing how they inter-relate
(*Pert* chart or similar)



Pert diagram

- > La **Project Evaluation and Review Technique**, comunemente abbreviata **PERT**, è un modello per il project management ideato per analizzare e rappresentare le componenti, le attività e le loro relazioni reciproche presenti in un determinato progetto.
- > Un diagramma di **PERT** è uno strumento per facilitare il processo di progettazione e decisionale.
- > Le componenti di un PERT sono **attività legate da relazioni di interdipendenza** che sono convenzionalmente rappresentate da frecce.
- > Le attività sono rappresentate in una sequenza logica, e nessuna attività può cominciare fino a che la precedente sia completa o abbia fornito gli input necessari.





UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

3. Implementation - 3.2 Management structure and procedures

- Describe the organisational structure and the decision-making (including a list of milestones)
- Explain why the organisational structure and decision-making mechanisms are appropriate to the complexity and scale of the project
- Describe, where relevant, how effective innovation management will be addressed in the management structure and work plan

Innovation management is a process which requires an understanding of both market and technical problems, with a goal of successfully implementing appropriate creative ideas. A new or improved product, service or process is its typical output. It also allows a consortium to respond to an external or internal opportunity

- Describe any **critical risks, relating to project implementation**, that the stated project's objectives may not be achieved. Detail any risk mitigation measures. Please provide a table with critical risks identified and mitigating actions

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Project governance bodies

- GENERAL ASSEMBLY
 - (all partners; the ‘consortium’ in the GA)
 - EXECUTIVE COMMITTEE (or Management Board)
 - (coordinator+ WP leaders)
 - SUB WP MANAGEMENT BOARD
 - (all partners or WP leaders)
- OTHER SPECIFIC BOARDS
- (IPR; GENDER; ETHICAL aspects etc.)



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

WP MANAGEMENT

INITIAL/FINAL WP PARTNERS INVOLVED:

- Only Coordinator?
- Coordinator and WP Leaders?
- Coordinator and Project Management Office?
- all?

TYPICAL TASKS :

- Governance
- Communication among partners and with EC
- Project meetings (based on the number of partners, criticalities, ecc...)
- Reporting (based on official reporting periods)
- Quality check
- Distribution of EC contribution/Financial issues
- etc...

TYPICAL DELIVERABLES:

- Periodic/Interim Reports
- Definition of quality procedures

TYPICAL MILESTONES:

- project meetings
- Appointment of advisors/external experts

DURATION = project duration

BUDGET= no formal limits, but around 7% of the total EC contribution

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

3. Implementation - 3.3 Consortium as a whole

- Describe the consortium. How will it match the project's objectives? How do the members complement one another (and cover the value chain, where appropriate)?
- In what way does each of them contribute to the project? How will they be able to work effectively together?
- If applicable, describe the industrial/commercial involvement in the project to ensure exploitation of the results and explain why this is consistent with and will help to achieve the specific measures which are proposed for exploitation of the results of the project (see section 2.2).

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



CONSORTIUM AS A WHOLE

- **MAJOR PARTNERS**

- ✓ Each partner has a well define role (complementarity – ‘vertical’partnership)
- ✓ Mapping of expertises (table?)
- ✓ Highlight different types of partners (Universities, SMEs, Public bodies, etc...)/Geographical distribution(New Member States? Third Countries?...)
- ✓ Link project results to partners

- **Involvement of external *stakeholders***

- **Adivisory Committee**

- **End users: Evaluation Committee**



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Other (non EU) countries

- If one or more of the participants requesting EU funding is based in a country that is not automatically eligible for such funding...

explain **why** the participation of the entity in question is essential to carrying out the project



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

3. Implementation - 3.4 Resources to be committed

- a table showing number of person/months required (table 3.4a)
- a table showing ‘other direct costs’ (table 3.4b) for participants where those costs exceed 15% of the personnel costs (according to the budget table in section 3 of the administrative proposal forms)

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Categorie di costi ammissibili

Costi diretti

- Sono costi ammissibili direttamente legati all'azione e che possono essere ad essa direttamente attribuiti
- Non includono i costi indiretti
- Possono essere sostenuti esclusivamente per le finalità dell'azione o per una pluralità di progetti.

UNIMORE

Università degli Studi di Modena e Reggio Emilia

Ufficio Ricerca internazionale – International Research Office

Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Categorie di costi ammissibili

Costi diretti

- costi del personale
- spese di viaggio e soggiorno
- costi per altri beni e servizi
- costi capitalizzati e costi operativi nel caso delle infrastrutture di ricerca
- subcontratti
- costi necessari a fornire supporto finanziario a Parti Terze

UNIMORE

Università degli Studi di Modena e Reggio Emilia

Ufficio Ricerca internazionale – International Research Office

Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Categorie di costi ammissibili

Costi indiretti

Sono costi non direttamente legati all'azione che quindi non possono essere ad essa direttamente attribuibili

- Sono calcolati come pari al **25% flat rate dei costi diretti** eleggibili escludendo:
 - i subcontratti
 - i contributi in natura di Terze Parti che non sono utilizzati nelle sedi del beneficiario
 - i costi per la fornitura di sostegno finanziario a Terze Parti

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



Human Efforts on EU projects

Table 3.1b: List of work packages

WP	WP Title	Leader n.	Leader name	Person Months	Start Month	End Month
WP0	Project Management	[REDACTED]	UNIMORE	33	1	36
WP1	User Profile and Behaviour		IUAV	126	1	36
WP2	City Real Time Information		UOB	132	1	36
WP3	Recommender System		ORU	134	4	36
WP4	Testbed Applications Venice-Mestre		VEN	65	1	36
WP5	Testbed Applications Lisbon		LIS	80	1	36
WP6	Testbed Applications Dusseldorf		DUS	60	1	36
WP7	Dissemination, Collaboration, and Exploitation	7	YAHOO	85	4	36



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Tabel 3.4 Resources to be committed

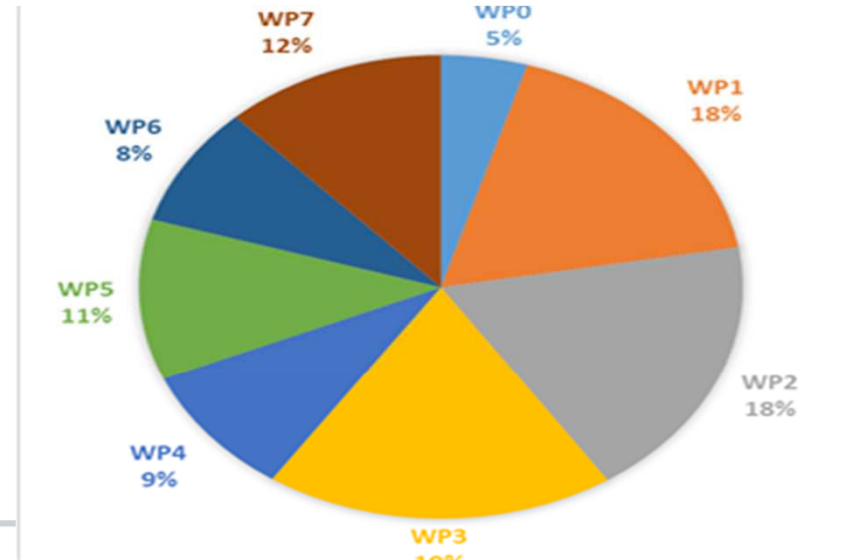


Table 3.4a: Summary of staff effort

Participant n. / Short name	WP0	WP1	WP2	WP3	WP4	WP5	WP6	WP7	TOTAL
1. UNIMORE	18	32	32	14	8	11	8	6	129
2. [Redacted]	1	24	26	24	12	6	6	8	107
3. [Redacted]	1	36	33	18	0	0	0	8	96
4. [Redacted]	1	3	11	26	7	6	8	8	70
5. [Redacted]	1	10	0	10	8	8	8	8	53
6. [Redacted]	1	4	8	8	1	1	9	5	37
7. [Redacted]	1	11	6	18	0	0	0	10	46
8. [Redacted]	3	0	7	6	29	0	0	10	55
9. [Redacted]	2	2	3	4	0	24	0	8	43
10. [Redacted]	2	2	3	4	0	24	0	8	43
11. [Redacted]	2	2	3	2	0	0	21	6	36
TOTAL	33	126	132	134	65	80	60	85	715



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Lo Staff di Progetto

- **Il team di ricerca si compone di Staff :**
 - già presente nell'ente, dedica parte del suo tempo al progetto (personale strutturato);
 - assunto per le esigenze del progetto (i.e: cococo, assegnisti).

- **Il costo imputato è quello stimato per mesi uomo per attività.**



Other Direct Costs

(B) Other direct costs/€	
?	0
	0

- Travel;
- Materiale di laboratorio;
- Attrezzature;
- Contracts (art. 10 GA);
- Other: es. spese di divulgazione
- ... da descrivere in Part B



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Travel

- E' ammissibile solo il costo di personale, strutturato e non, che è legato all'ente da un contratto di lavoro e che lavora al progetto;
- **IL COSTO VIAGGI DI ESPERTI ESTERNI** dovrà essere stimato nel totale compenso deciso per gli esperti esterni.



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Equipment

- **Le attrezzature durevoli sono BENI**
 - Utilizzati nel progetto, che
 - NON perdono la loro utilità DOPO un utilizzo protratto per più Anni.
- **Il costo ammissibile in budget è l’Ammortamento...**
 - diverso dal Costo sostenuto all’acquisto (Costo Storico)
 - Come si determina l’ammortamento?

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico

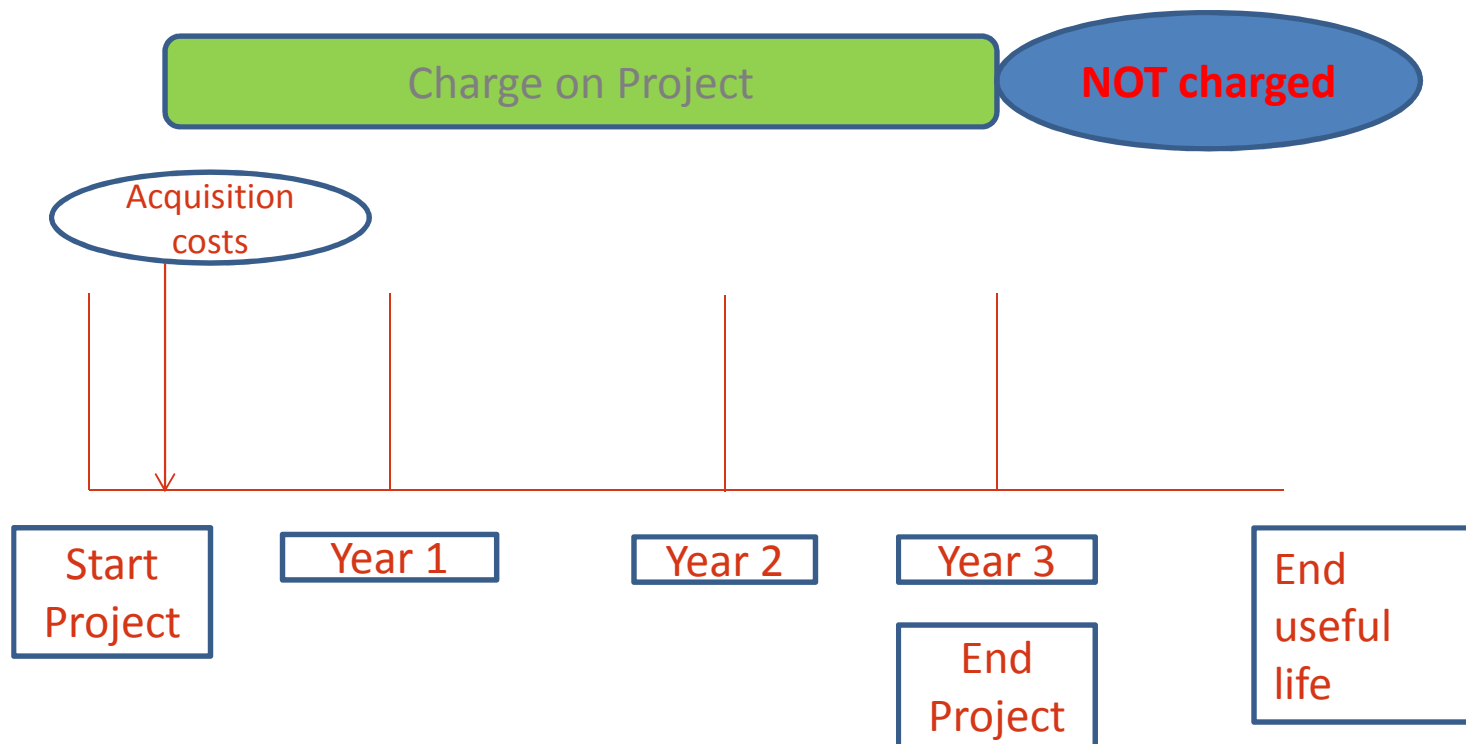


- **Costo storico**: complesso degli oneri finanziari effettivi sostenuti per l'acquisto, trasporto e collaudo del bene (**C**)
- **Periodo di ammortamento**: periodo convenzionale di deprezzamento dell'attrezzatura stabilito dalle **regole interne dell'Ateneo** (**B**)
- **Periodo di utilizzo**: svolgimento dell'attività di ricerca, espresso in mesi (**A**)
- **Percentuale di utilizzo** delle apparecchiature stesse per lo specifico progetto di ricerca (**D**)

$$(A/B) \times C \times D$$



Equipment





UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Materiale di laboratorio

- Beni legati al progetto che per la loro natura non sono destinati a durare nel tempo....
- Al contrario delle Attrezzature, non sono inventariabili
 - reagenti, licenze software, kit di laboratorio...



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Other goods and Contracts

- Servizi esterni MINORI
- catering, organizzazione meeting, stampa brochures, audit certificate.
- AUDIT in H2020: solo alla fine del progetto se contributo comunitario ricevuto è = 0 > a 325.000€

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



In part B sezione 3.4

Table 3.4b: 'Other direct cost' items

	Cost (€)	Justification
Travel	39900	The University of [redacted] requests funding for travel in order to attending top-tier conferences (such as [redacted] and to travel for projects meeting (technical meetings and project reviews) and deployments for all the members of the research team.
Equipment	13300	It also requests funding for equipment including a top-specs computational server (for developing and running the prediction models) and mobile devices (for the development of the prototype of the system).
Other goods and services	15429	Additional funding is also requested to cover publication costs for open access for all the research outputs of the project.
Total	68629	



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Third Parties

- Terze Parti che mettono a disposizione risorse a titolo gratuito / dietro pagamento
- Terze Parti legate al beneficiario che svolgono parte delle attività
 - Linked
- Terze Parti a cui è destinato supporto finanziario
 - Premi!



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Terze Parti che implementano parte dell'azione

- Linked Third Party: le Terze Parti devono essere **affiliate** al beneficiario oppure **legate** al beneficiario da vincoli legali che implicano collaborazione non limitata allo svolgimento del progetto
- Le tasks implementate dalla Parte Terza sono descritte nell'Annex I - Progetto
- La Parte Terza può rendicontare i costi sostenuti in osservanza delle regole di eleggibilità stabilite dal Grant Agreement

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Parti Terze e in kind contributions

- a titolo gratuito o a pagamento
- se necessari all'implementazione dell'azione
- **Art. 11 GA** dichiarando quali costi eleggibili le somme erogate dal beneficiario a rimborso della Parte Terza nei limiti del costo sostenuto da quest'ultima per il personale distaccato, le attrezzature, i beni ed i servizi messi a disposizione (**contributi a pagamento**)
- **Art. 12 GA** dichiarando quali costi eleggibili i costi sostenuti dalla Parte Terza nel rispetto delle regole di rendicontazione previste dal Grant Agreement per il personale distaccato, le attrezzature, i beni ed i servizi messi a disposizione (**contributi a titolo gratuito**)

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Subcontracts & Third Party in Part B

- **Subcontratti maggiori per ricerca**
 - Non consentono di imputare overhead
- **Third Party**
 - NON compilare in Part A.
 - Part B Section 4: Members of the consortium – 4.2 Third parties involved in the project (including use of third party resources)

Does the participant plan to subcontract certain tasks (please note that core tasks of the project should not be sub-contracted)	Y/N
<i>If yes, please describe and justify the tasks to be subcontracted</i>	
Does the participant envisage that part of its work is performed by linked third parties	Y/N
<i>If yes, please describe the third party, the link of the participant to the third party, and describe and justify the foreseen tasks to be performed by the third party</i>	
Does the participant envisage the use of contributions in kind provided by third parties (Articles 11 and 12 of the General Model Grant Agreement)	Y/N
<i>If yes, please describe the third party and their contributions</i>	



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Overheads – Spese generali

- 25% costi diretti meno Subcontratti e In kind contribution not used on Beneficiary's premises
- E' un flat rate, una percentuale di costi diretti!

UNIMORE

Università degli Studi di Modena e Reggio Emilia

Ufficio Ricerca internazionale – International Research Office

Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Common tips for Budgeting

- Per aver un buon progetto è necessario che i costi vivi siano ben bilanciati e coerenti col piano delle attività!
- Il progetto deve essere sostenibile: risorse ponderate in base al coinvolgimento nelle varie fasi di vita del progetto
- In H2020: Broader acceptance of participants' accounting practices for direct costs
- Flat rate for indirect costs
- ... contattate
- internationalresearch@unimore.it

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Part B Sez. 4. Members of the Consortium

- Description of the organization
- Main tasks in the project
- Previous relevant experiences
- 2/3 curriculum vitae
- up to 5 relevant publications
- up to 5 relevant previous projects
- any significant infrastructure

UNIMORE

Università degli Studi di Modena e Reggio Emilia

Ufficio Ricerca internazionale – International Research Office

Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

In conclusione: fattori di successo di un progetto

- **Team Competente e motivato**
 - Tipologia e ruolo del partenariato e delle risorse umane coinvolte
- **Rispondenza ai problemi reali**
 - Risultati, impatto, sostenibilità futura
- **Pianificazione efficace**
 - Piano di lavoro sostenibile per tempi e costi
 - Attività mirate e funzionali al perseguimento del risultato
 - Adeguatezza rispetto ai risultati che si intendono perseguire
- **Adeguate struttura organizzativa**
 - Management
 - Gestione scientifica
 - Responsabilità
 - Controllo
- **Integrazione delle competenze**
 - Composizione del partenariato sulla base di esigenze di merito
 - Intersettorialità
 - Contributo al perseguimento dei risultati
 - Competenze esterne al proprio ambito di ricerca

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Quindi per scrivere una buona proposta

- Prestare particolare attenzione all'abstract
- Rendere la proposta leggibile. Usare i grassetti, corsivi o sottolineature per evidenziare le parti importanti.
- Usare un inglese standard e conciso.
- Definire in modo chiaro obiettivi da raggiungere, risultati attesi e le attività che si intendono svolgere
- Illustrare meccanismi di controllo, verifica e validazione delle attività e dei risultati del progetto
- Mettere in evidenza in valore aggiunto della propria iniziativa rispetto allo stato dell'arte
- Creare piano finanziario bilanciato e coerente con le attività presentate e con le risorse utilizzate
- Presentare in modo strutturato e uniforme il consorzio evidenziando ruoli di ciascun partner e sinergie
- Una Vision chiara, condivisa, creata e diretta da un numero coeso e deciso di partner - *core group* (no anarchia!)
- Protocolli di comunicazione: computer or phone-based conferences, incontri vis-à-vis o di gruppo se possibile



UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Il Participant Portal

UNIMORE


Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Participant Portal

(A-Z) Sitemap About this site Contact Legal Notice Search English



RESEARCH & INNOVATION



Participant Portal



European Commission > Research & Innovation > Participant Portal > Funding Opportunities

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT Search **LOGIN REGISTER**

EU Programmes 2014-2020

Search Topics

Updates  

Calls  


- H2020
- 3rd Health Programme
- Asylum, Migration and Integration Fund
- Consumer Programme
- COSME
- Internal Security Fund - Borders
- Internal Security Fund - Police
- Justice Programme
- Promotion of Agricultural Products
- Research Fund for Coal & Steel
- Rights, Equality and Citizenship Programme

Funding Opportunities

[H2020 ONLINE MANUAL](#)

Find the European Union funding opportunities and search for new or closed calls of the programmes described on this page.


Horizon 2020



Horizon 2020 is the new EU funding programme for research and innovation running from 2014 to 2020 with a €80 billion budget. H2020 supports SMEs with a new **instrument** that runs throughout various funded research and innovation fields, enhances EU **international research** and Third Country participation, attaches high importance to integrate **social sciences and humanities** encourages to develop a **gender dimension** in project.

Cosme

Programme for the Competitiveness of Enterprises and SMEs (COSME) will run from 2014 to 2020, with a planned budget of €2.3bn. It will facilitate SME access to finance, create supportive environment for business creation, help small businesses operate outside their home countries and improve their access to markets.





UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

if not registered yet

This website uses cookies. Learn more about the [European Commission's cookie policy](#) Close this message

EU Login
One account, many EU services

Where is ECAS? English (en)

[Create an account](#) **Login**

Create an account

[Help for external users](#)

First name

Last name

E-mail

Confirm e-mail

E-mail language English (en)

Enter the code

By checking this box, you acknowledge that you have read and understood the [privacy statement](#)

Create an account

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

This website uses cookies. Learn more about the European Commission's cookie policy

EU Login

One account, many EU services

Where's ECAS?



English (en)

Close this message X

Participant Portal requires you to authenticate

Sign in to continue

Welcome back

internationalresearch@unimore.it
(External)

[Sign in with a different e-mail address?](#)

Password

[Lost your password?](#)

Choose your verification method

Password



Sign in

Easy, fast and secure: download the ECAS app



[About EU Login](#) [Cookies](#) [Privacy Statement](#) [Contact](#) [Help](#)

European Union [EU institutions](#)

5.0.10-gjs | 7 ms

Powered by



UNIMORE

Università degli Studi di Modena e Reggio Emilia

Ufficio Ricerca internazionale – International Research Office

Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Who's who at UNIMORE

- LEAR

Barbara Rebecchi

- FSIGN: Direttori di Dipartimento

- LSIGN: Rettore

(A-Z) Sitemap About this site Contact Legal Notice Search English

RESEARCH & INNOVATION
Participant Portal

European Commission > Research & Innovation > Participant Portal > Home

MY AREA HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT Search PP

My Organisation(s)
My Proposal(s)
My Project(s)
My Notification(s)
My Expert Area

BARBARA.REBECCHI

Horizon 2020 Funding

Starting from 1/1/2014

On this site you can find and secure **funding** for projects under the following EU programmes:

- 2014-2020 Horizon 2020 - research and innovation framework programme
- 2007-2013 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP)
- Research Fund for Coal & Steel, COSME, 3rd Health Programme, Consumer Programme

Non-registered users

- search for funding
- read the H2020 Online Manual & download the legal documents
- check if an organisation is already registered
- contact our support services or check our FAQs

Registered users

- submit your proposal
- sign the grant
- manage your project throughout its lifecycle
- register as expert advising the Commission

WHAT'S NEW? FUNDING OPPORTUNITIES HOW TO PARTICIPATE WORK AS AN EXPERT MY PERSONAL AREA INFORMATION AND SUPPORT

HORIZON 2020 RESEARCH ON EUROPA CORDIS OLAF



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA



RESEARCH & INNOVATION Participant Portal

European Commission > Research & Innovation > Participant Portal > Funding

MY AREA HOME FUNDING OPPORTUNITIES

HOW TO PARTICIPATE

EXPERTS SUPPORT

Search



BARBARA REBECCHI

(A-Z) Sitemap About this site Contact Legal Notice Search English

My Organisation(s)

My Proposal(s)

My Project(s)

My Notification(s) **874**

My Formal Notification(s)

My Expert Area

Reference Documents

Beneficiary Register

Financial Viability Self-Check

SME Participation



How to participate

H2020 ONLINE MANUAL

The first steps to prepare your proposal and apply for EU research funding. Learn how to find a suitable Call for proposals or project partners and how to submit your proposal.

The following guidance services facilitate your participation:

- **H2020 Online Manual:** step-by-step online guide through the Portal processes from proposal preparation and submission to reporting on your on-going project
- **Reference documents:** library of legal documents, guidance notes, and additional reference material for H2020 and FP7
- search for already registered organisations and their **PICs**
- **Financial viability self-check tool** allows you simulating the financial viability check of your organisation
- **SME participation:** dedicated H2020 guidance page for SME

FIND
a call

1

FIND
partners

2

CREATE
your account

3

REGISTER
your organisation

4

SUBMIT
a proposal

5

Step 1 - Find a suitable Call for Proposals [H2020 ONLINE MANUAL](#)

The Commission publishes on the Participant Portal all the Calls of its research and innovation programmes H2020, and you can search calls from previous programmes (FP7 and CIP). In addition you can find information about some additional calls in the [Other Funding Opportunities](#) section. If you apply for the first time and do not know yet the

UNIMORE
Reggio Emilia

UNIMORE Ufficio Ricerca Internazionale – Internazionali Research Office

Direzione Ricerca e Trasferimento tecnologico



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

RESEARCH & INNOVATION

Participant Portal

European Commission > Research & Innovation > Participant Portal > Calls

MY AREA HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT SEARCH BARBARA REBECCHI

My Organisation(s)

My Proposal(s)

My Project(s)

My Notification(s) **874**

My Formal Notification(s)

My Expert Area

EU Programmes 2014-2020

Search Topics

Updates

Calls

H2020

3rd Health Programme

Asylum, Migration and Integration Fund

Consumer Programme

COSME

Internal Security Fund - Borders

Internal Security Fund - Police

Justice Programme

393 Results

Keyword Search: Find a topic

SEARCH

If you don't find your topic, you can also use the free text search.

Select the Programme

Hold the 'CTRL' key to select several programmes.

H2020

Status

Forthcoming

Open

Closed

Sort by

(Planned) opening date

Deadline

Topic title

Topic identifier

Topic: ART-01-2017: ICT infrastructure to enable the transition towards road transport automation **Open**

Publication date: 14 October 2015

Types of action: IA Innovation action

DeadlineModel: two-stage

Opening date: 20 September 2016

Deadline: 26 January 2017 17:00:00

2nd stage Deadline: 27 September 2017 17:00:00

Time Zone : (Brussels time)

Topic: ART-03-2017: Multi-Brand platooning in real traffic conditions **Open**

Publication date: 14 October 2015

Types of action: IA Innovation action



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Call for Nanotechnologies, Advanced Materials and Production

H2020-NMP-GV-2014

Sub call of: H2020-NMP-2014-2015

Opening Date	11-12-2013	Deadline Date	07-10-2014 17:00:00 (Brussels local time)
Publication date	11-12-2013	Main Pillar	Industrial Leadership
Total Call Budget	€16,000,000	OJ reference	OJ C361 of 11 December 2013
Status	Open		

Topic: Post-lithium ion batteries for electric automotive applications

NMP-17-2014

Topic Description Topic Conditions & Document **Submission Service**

Specific challenge: The electrification of road transport is a key towards sustainable and environmentally friendly mobility of persons and transport of goods, in particular for short range transport and transport in urban areas. In order to reach this goal it is important to develop improved cost competitive and sustainable storage technologies for Electrified Vehicles (EV) achieving significantly improved performance with respect to current lithium-ion electrochemical storage technology, to allow the production of EVs that more closely match the performance of current internal combustion vehicles (e.g. and in particular considering the driving range). This challenge is complementary to a separate one present in the "Transport Challenges" Work Programme.[1] This is also in line with the Roadmap of the European Green Vehicle Initiative (EGVI). Research and innovation should build on the progress already obtained through previous projects, particularly those funded within the Green Car Public Private Partnership. It is however important for the European competitiveness that the next generation of batteries will be "made", i.e. developed and produced in Europe.

Scope: To achieve progress well beyond current lithium-ion cell technologies, various key factors have to be improved at the same time, such as: energy density, power density, the ability to work under severe thermal conditions, charging speed, and inherent safety of the battery cells including crash and abuse conditions. And the ageing of the new chemistries has to be thoroughly understood and improved, in order to achieve a longer battery lifetime. In addition, the future battery has to have a competitive cost; it has also to be produced in an environmental friendly way, considering the availability of raw materials and the batteries' recycling potential, as well as a sound life cycle assessment. And the knowledge on production-technology and -capacity of cells, packs and systems should be made available. The scope may be reached e.g. by addressing new chemistries that allow high-energy densities, and by developing related specific new materials e.g. for cathodes and electrolytes. In order to accelerate the industrial take-up of the proposed solution, the development of prototypes should be included to show clear progress beyond existing post lithium-ion technology in terms of durability, cyclability and energy density, with consideration of scalability up to full scale for automotive applications.

Activities expected to focus on **Technology Readiness Level 4.**

The Commission considers that proposals requesting a contribution from the EU between EUR 6 and 8 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected impact:

- Significant improvements of the usability of EVs, with extended driving range and improved battery durability (recharging, cyclability and safety) obtainable at competitive costs. The energy density of the proposed new batteries should reach at least twice the energy density in comparison to the best in class Li-Ion technology at the same power density;
- Better acceptance of EV in society, and thus contribution to the improvements of sustainable transport, reducing pollution and noise in urban areas;
- **European competitiveness through development of new key technology and related production capacities.**

Type of action: Research and Innovation Actions

[1] GV 1-2014 "Next generation of competitive lithium ion batteries to meet customer expectations"



Start Submission!

Internal Security Fund - Police

Justice Programme

Promotion of Agricultural
Products

Research Fund for Coal & Steel

Rights, Equality and Citizenship
Programme

**FP7 & CIP Programmes
2007-2013**

Calls

Other Funding Opportunities

Topic conditions and documents [+ More](#)

Please read carefully all provisions below before the preparation of your application.

Submission Service

To access the Electronic Submission Service of the topic, please select the **type of action** that is most relevant to your proposal from the list below and click on the '**Start Submission**' button. You will then be asked to confirm your choice of the type of action and topic, as these cannot be changed in the submission system. Upon confirmation you will be linked to the correct entry point.

To access existing draft proposals for this topic, please login to the Participant Portal and select the My Proposals page of the My Area section.

Type of Action

[Innovation action \[IA\]](#)

[START SUBMISSION](#)

Topic

ICT infrastructure to enable the transition towards road transport automation -
ART-01-2017

Guidance on proposal submission:

[H2020 ONLINE MANUAL](#)

IT Guidance:

[it HOW TO](#)

Get support [+ More](#)

[H2020 Online Manual](#) your online guide on the procedures from proposal submission to managing your grant.



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

I dati Amministrativi

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



Step 3

Create a Draft Proposal

H2020-NMP-GV-2014

Barbara Rebecchi

NMP-17-2014

RIA

October 2014 17:00:00
Brussels Local Time

13 days left until closure

Configuration unconfirmed!

You're using Firefox 32 on Windows. **Adobe Reader (11.0.7.79) is installed**, but your browser is not configured properly (another unsupported plugin is used to display PDFs). Under these conditions, all PDF forms will have to be downloaded on your computer in order to be edited.

For more information, please consult the [User Guide](#).

Create a Draft Proposal

Please enter the following information to create a draft proposal. Please note that fields marked with a star (*) are mandatory.

Your organisation

PIC* 999840887 Short name* UNIMORE UNIVERSITY OF MODENA AND REGGIO EMILIA

UNIMORE UNIVERSITY OF MODENA AND REGGIO EMILIA
999840887 UNIMORE UNIVERSITY OF MODENA AND REGGIO EMILIA VIA UNIVERSITA 4 MODENA, IT
VAT:IT00427620364

Organisations you have been previously associated with. Click to select.

PIC: 999840887
UNIMORE UNIVERSITY OF MODENA AND REGGIO EMILIA
VIA UNIVERSITA 4
MODENA, IT
VAT: IT00427620364

PIC: 999840887
UNIMORE UNIVERSITY OF MODENA AND REGGIO EMILIA
VIA UNIVERSITA 4
MODENA, IT
VAT: IT00427620364

Search for your organisation PIC search

Your Role

Please indicate your role in this proposal

Main contact

Contact person

Your Proposal

Please choose an acronym for your proposal. It will appear also in the "General Information" section of the submission form Part A and can also be updated there.

Acronym* Please restrict acronym to latin characters only

Short Summary (max. 2000 characters)*

Character count:

next >

cancel

Version: 20140827-1407 - Service Desk: DIGITEFP7-SEP-SUPPORT@ec.europa.eu (+32 (0) 29 92222)



LOGIN FUNDING SCHEME CREATE DRAFT PARTIES EDIT PROPOSAL SUBMIT

Step 5

Edit Proposal

H2020-NMP-GV-2014

Barbara Rebecchi
NMP-17-2014
RIA
October 2014 17:00:00
Brussels Local Time
13 days left until closure

Acronym ID PIC Contact
Acronym
PIPP0

Administrative Forms
Edit with the forms in Adobe Reader.
[edit forms](#) [view history](#) [print preview](#)

Part B and Annexes
In this section you may upload the technical annex of the proposal (in PDF format only) and any other requested attachments.
[download templates](#)

Technical Annex Section 1-3 [upload](#)

Technical Annex Section 4-5 [upload](#)

Optional annex 3: Ethics - Supporting Document(s) [upload](#)

Configuration unconfirmed!
You're using Firefox 32 on Windows. Adobe Reader (11.0.7.79) is installed, but your browser is not configured properly (another unsupported plugin is used to display PDFs). Under these conditions, all PDF forms will have to be downloaded on your computer in order to be edited.
For more information, please consult the [User Guide](#).

[done](#) [<< Step 4 - Parties](#) [validate](#) [submit](#)

Version: 20140827-1407 - Service Desk: DIGIT-EFF7-SEP-SUPPORT@ec.europa.eu (+32 (0) 29 92222)

WARNING: This proposal contains changes that have not yet been submitted...



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Part A

Horizon 2020

Call: H2020-NMP-GV-2014

Topic: NMP-17-2014

Type of action: RIA

Proposal number: SEP-210215950

Proposal acronym: PIPPO

[Table of contents](#)

Section	Title	Action
1	General information	Show
2	Participants & contacts	Show
3	Budget	Show
4	Ethics	Show
5	Call-specific questions	Show

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico



- Section 2 - Data of the Organization
 - PIC associated data (LEAR); Department; Person in charge of proposal
- Section 4 - Ethics issue table... see Part B proposal
 - Human embryos, cells; data; animals; Third Country; Environment and Health Issues; Other....
- Section 5 - Open Data...
 - improve and maximise access to and re-use of research data generated by actions. Participating in the Pilot does not necessarily mean opening up all research data. Actions participating in the Pilot will be invited to formulate a Data Management Plan in which they will determine and explain which of the research data they generate will be made open



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Grazie per l'attenzione

Donata Franzi
Ferdinando Di Maggio

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca Internazionale.

donata.franzi@unimore.it

ferdinando.dimaggio@unimore.it

UNIMORE

Università degli Studi di Modena e Reggio Emilia
Ufficio Ricerca internazionale – International Research Office
Direzione Ricerca e Trasferimento tecnologico