



Coordinating and integrating state-of-the-art  
Earth Observation Activities in the regions of  
North Africa, Middle East and Balkans  
and Developing Links with GEO related initiatives  
toward GEOSS

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## **GEO-CRADLE Kick-Off Meeting Friday, 19<sup>th</sup> of February, 2016**

### **WP2: INVENTORY OF CAPACITIES AND USER NEEDS**

#### **CIMA Research Foundation**



## WP2: INVENTORY OF CAPACITIES AND USER NEEDS Objectives

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- 1) provide a complete and accurate **picture of the current status** of Earth Observation (**EO**) **capacities** and **skills** in the **Balkans, N. Africa** and **Middle East** (collectively Region of Interest - RoI), with regards to *space-borne infrastructure, in-situ networks and modelling and computing facilities*;
- 2) conduct a thorough **user need analysis** utilizing a combination of tools (e.g. surveys, dedicated user workshops).



# WP2: INVENTORY OF CAPACITIES AND USER NEEDS

## Description of work and role of Partners

The two objectives will be realized through 4 Tasks:

*T2.1- Space-borne capacities*

*T2.2- In-situ Networks*

*T2.3- Modelling and Computing Facilities*

*T2.4- User Need Analysis*

	<b>Partners</b>	<b>T2.1</b>	<b>T2.2</b>	<b>T2.3</b>	<b>T2.4</b>
1	NOA	x	x	x	x
2	IBEC		x		x
3	CEDARE	x	x	x	x
4	CERT	x	x		x
5	TAU	x	x		x
6	CUT	x	x		x
7	UZAY	x	x		x
8	SRTI	x	x		x
9	INOE	x	x		x
10	USCM	x	x		x
11	INCA	x	x		x
12	<b>IPB</b>			<b>xL</b>	x
13	<b>CIMA</b>	<b>xL</b>	x		x
14	AOA		x	x	
15	INS	x	x		x
16	EARSC				x
17	<b>EURISY</b>				<b>xL</b>
18	<b>EGS</b>		<b>xL</b>		x



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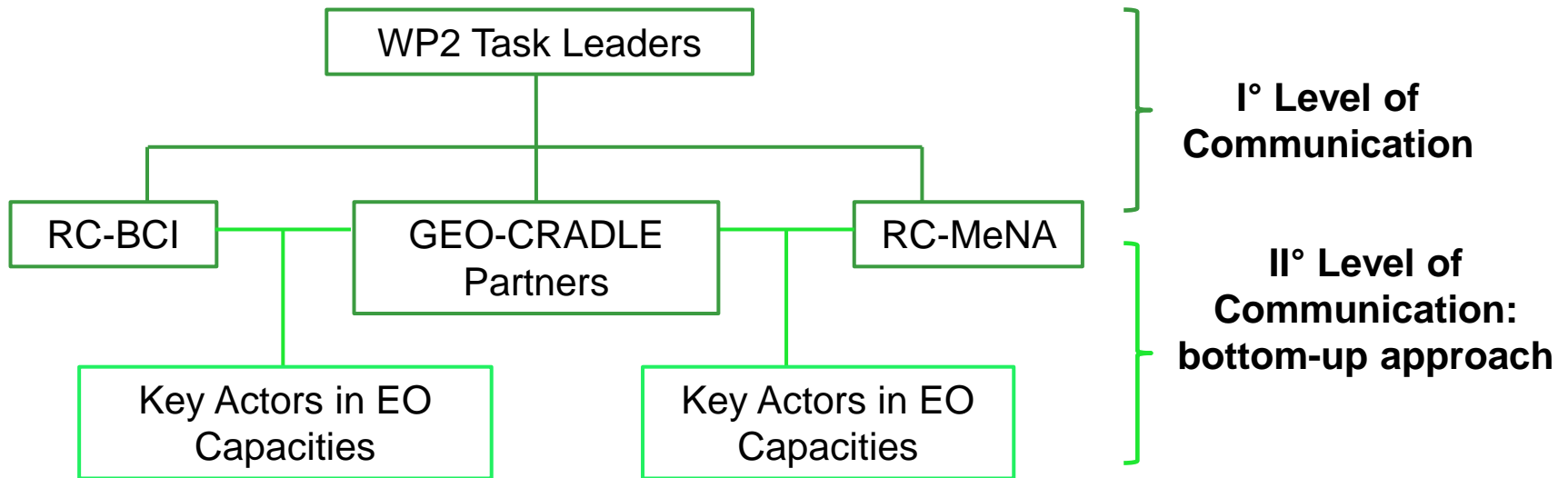


## WP2: INVENTORY OF CAPACITIES AND USER NEEDS

### Description of work and role of Partners

All the actions necessary to pursue these two main objectives will be led by a

### Network of Communication



**RC-BCI:** Regional Coordinator for Balkans-Cyprus-Israel

**RC-MeNA:** Regional Coordinator for Middle East & N.Africa

**The main contribution in the realization of the WP2 will be the KAs identification in each region to arrange the VALUE-ADDED CHAIN for the EO capacities.**



## WP2: INVENTORY OF CAPACITIES AND USER NEEDS

### Stakeholder mapping

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The **VALUE-ADDED CHAIN** in the EO capacities framework is made by the **KAs** classified in three different categories in relation to the **Role (R)** they cover:

- ***Raw Data Provider*** (R1)
- ***Values Adder or Intermediate User*** (R2)
- ***End users*** (R3)

Respectively for ⇒ **space-borne infrastructure**,  
⇒ **in-situ networks**,  
⇒ **modeling and computing facilities.**

In the Thematic priorities of the call:

- Adaptation to climate change
- Improved food security & water extremes management
- Access to raw materials
- Access to energy

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## WP2: INVENTORY OF CAPACITIES AND USER NEEDS

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### Timing of the WP2-T2.1: Space-borne capacities

#### [M1-M5] D2.4: Inventory of Space-borne capacities

Database containing the collected information on :

- available EO Payload Data Ground Segments along with the list of satellite missions and products acquired in real-time,
- geographical range of the acquisition antennas,
- processing units and services provided.





## WP2: INVENTORY OF CAPACITIES AND USER NEEDS

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### Timing of the WP2-T2.2: In-Situ Networks

#### [M1-M5] D2.2: Inventory of in-situ instrumentation and regional networks

Database containing the inventory of the available in-situ infrastructure along with the list of products, their quality indicators, and IPR issues, and networking activities.





## WP2: INVENTORY OF CAPACITIES AND USER NEEDS

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### Timing of the WP2-T2.3: Modelling and Computing Facilities

#### [M1-M5] D2.3: Inventory of numerical modelling and computing facilities

Database containing

- available numerical models and their basic features used for simulation of variety of environmental /climate processes
- model products – parameters archived and/or operational
- conditions under which model products are available to users
- computing facilities used (e.g. supercomputing centres, clusters).





## WP2: INVENTORY OF CAPACITIES AND USER NEEDS

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### Timing of the WP2-T2.4: User Need Analysis

#### **[M1-M3] D2.1: User Need Analysis Survey**

Questionnaires targeting end-/intermediate-users (R2 and R3) respectively, disseminated on the website and via mailing.

#### **[M1-M6] D2.5: User Need Analysis Report (I)**

Detailed report presenting the stakeholder mapping, a synthesis of the survey results and a consolidated view of the different users' needs in the region.

#### **[M1-M26] D2.6: User Need Analysis Report (II)**

Detailed report presenting the stakeholder mapping, a synthesis of the survey results and a consolidated view of the different users' needs in the region. This refined report will include the user feedback gathered in relation to the pilots.





## WP2: INVENTORY OF CAPACITIES AND USER NEEDS

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### Steps to achieve the goals of each task and the overall WP

- 1) **Identification of KAs** per role, capacity and thematic priority (**end of march**)
- 2) Preparation of specific sections of questions starting from previous experiences (**end of march**)
- 3) **ad-hoc questionnaire for KAs** containing a combination of the specific questions identified at the second step will be sent by the Partners to each KAs (**Estimated time: begin of April**).
- 4) collection (**half of May**), visualization and analysis (**half of May - half of June**) of the questionnaires per capacity (i.e. CIMA for space-borne, EGS for in-situ etc.)



# Timeline and deadlines

2016

Partners

**26/02**  
user def.  
questionnaire  
stakeholder map  
template  
validation

**30/03**  
4 user interviews  
+  
stakeholder map

**3/06**  
4 user  
interviews

Feb

March

April

May

June

July

Eurisy

**18/02**  
user def. &  
questionnaire  
stakeholder  
map  
presented

**02/03**  
user def. &  
questionnaire  
stakeholder  
template  
sent to  
partners

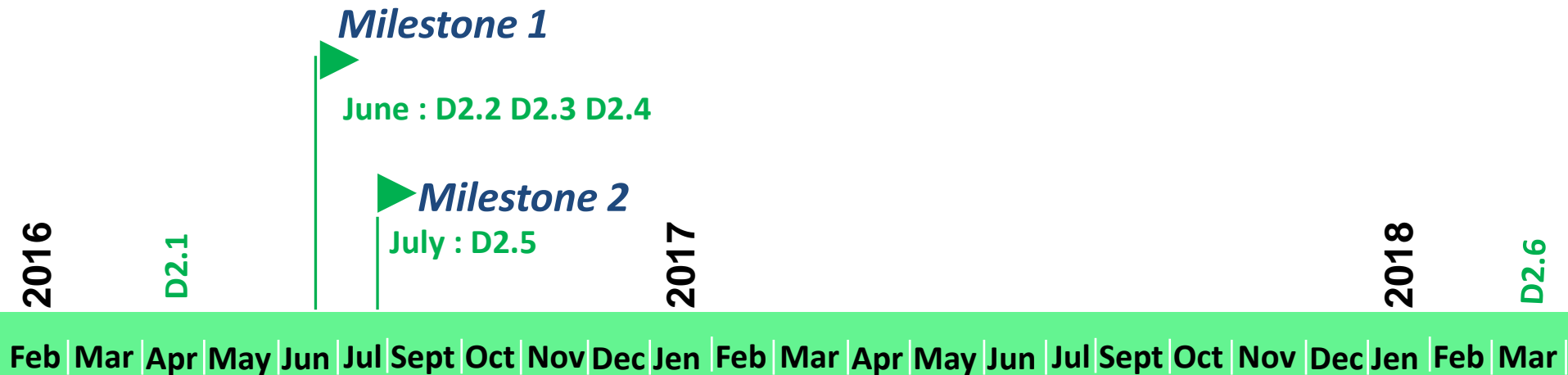
**15/04** user needs  
intermediary  
report

**3/06**  
**delivery:**  
- stakeholder  
map  
- user needs  
report  
- definitions



# WP2: INVENTORY OF CAPACITIES AND USER NEEDS

## Timing of the WP2



Deliverable Number	Deliverable Title	Lead Beneficiary	Due to MONTH
D2.1	User Need Analysis Survey	17 - EURISY	3
D2.2	Inventory of in-situ instrumentation and regional networks	18 - EGS	5
D2.3	Inventory of numerical modelling and computing facilities	12 - IPB	5
D2.4	Inventory of Space-borne capacities	13 - CIMA	5
D2.5	User Need Analysis Report (I)	17 - EURISY	6
D2.6	User Need Analysis Report (II)	17 - EURISY	26



## WP2: INVENTORY OF CAPACITIES AND USER NEEDS

### Some conclusions from the regional workshop on WP2

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1) Previous experiences in GEO and Copernicus projects are the starting point

- Stakeholder identification
- Surveys of capacities
- Questionnaires/interviews

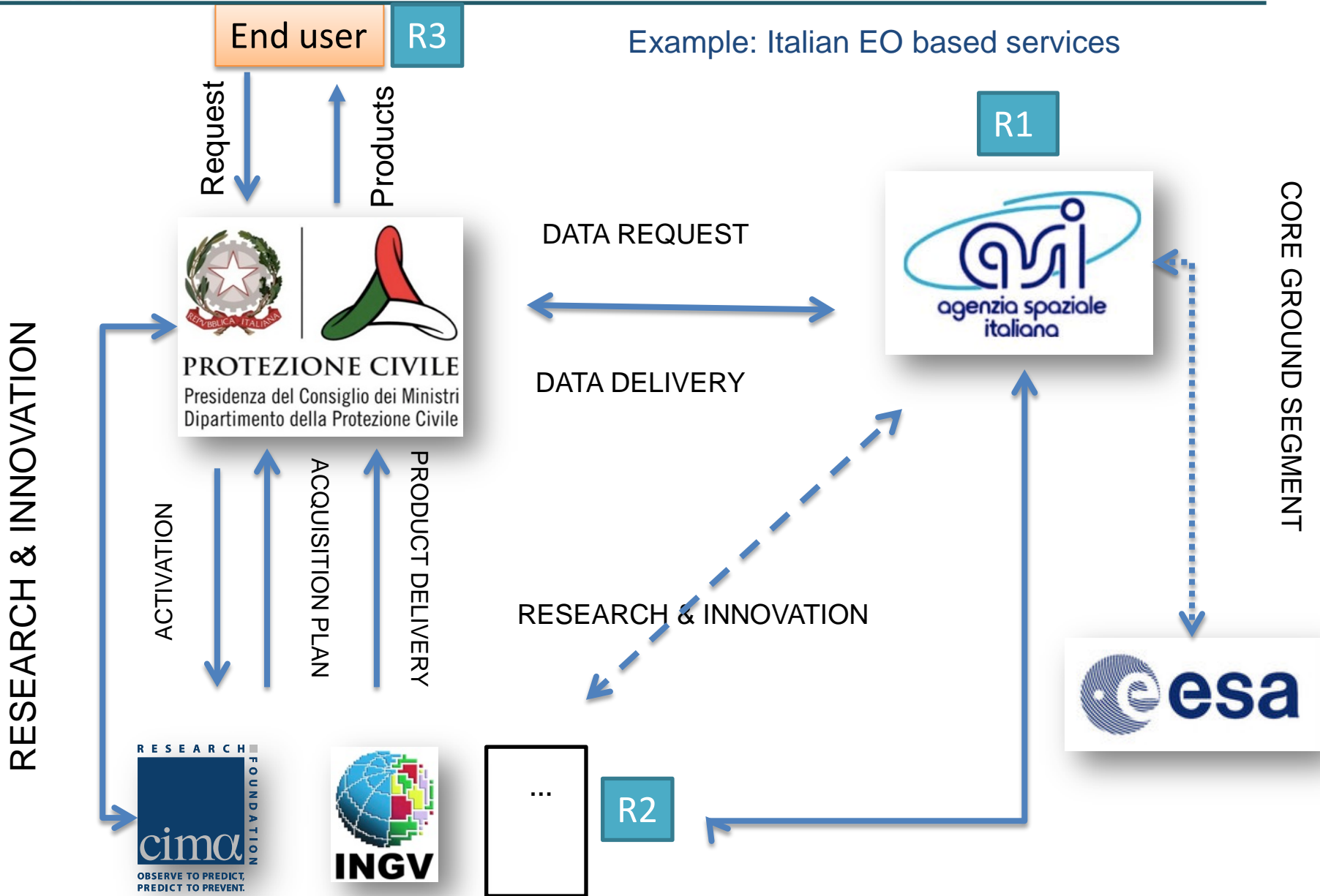
And major effort will be made on the missing parts





# WP2: INVENTORY OF CAPACITIES AND USER NEEDS

## Description of work and role of Partners





## WP2: INVENTORY OF CAPACITIES AND USER NEEDS

### Some conclusions from the regional workshop on WP2

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2) WP2 Task Leaders will cooperate with each partner and RCs involved to identify and classify R1, R2 and R3 Key Actors (KA) among:

- *Public and private large and Small-Medium (SM) enterprises*
- *National/Regional institutions*

In the four thematic priorities

- Definitions of the three categories of KAs for different capacities (spaceborne, in-situ, modelling) will be agreed by the last week of february among task leaders, RCs and partners to drive the survey
- A table to be filled (end of march) by partners in coordination with RCs will be used for KAs identification
- Usually R1 and R2 KAs and end users (R3) belong to different communities: differentiate surveys methodologies





## WP2: INVENTORY OF CAPACITIES AND USER NEEDS

### Some conclusions from the regional workshop on WP2

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3) The preparation of questionnaires is a critical point

- There are several examples of questionnaires for the survey of capacities provided by previous projects/experiences. They will be used as starting point. Weaknesses-strengths-missing points will be analyzed to obtain the final version
- Questionnaires to be sent to the KAS has to be Short and effective
- A general questionnaire will then be prepared, with special sections for capacity and role. Based on the classification of KAs made by the partners ad-hoc extracts will be sent to each KA.

