



**MAIA**  
Mapping and Assessment for  
Integrated ecosystem Accounting

# Report on NCA- SEEA state-of-the-art in EU member states - Online survey results

MAIA Deliverable 3.1  
WP2-WP3

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*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 817527*



# Online survey

## Goals and structure

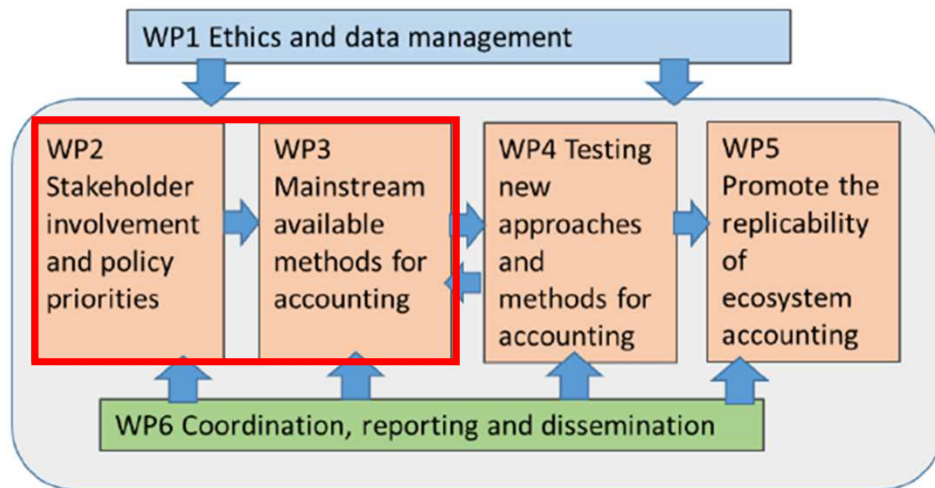
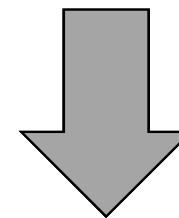


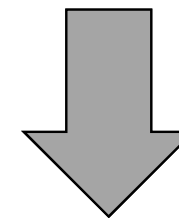
Figure 3.1. WP structure of the MAIA project



- WP2-WP3 first tasks: State-of-the-art**
- Assess the state-of-the-art of natural capital and ecosystem accounts in the 10 MAIA project countries
  - Any published, ongoing or planned Natural Capital Accounts



**Online survey**  
for stakeholders



**Scientific Review**

*Result for beginning of 2020*

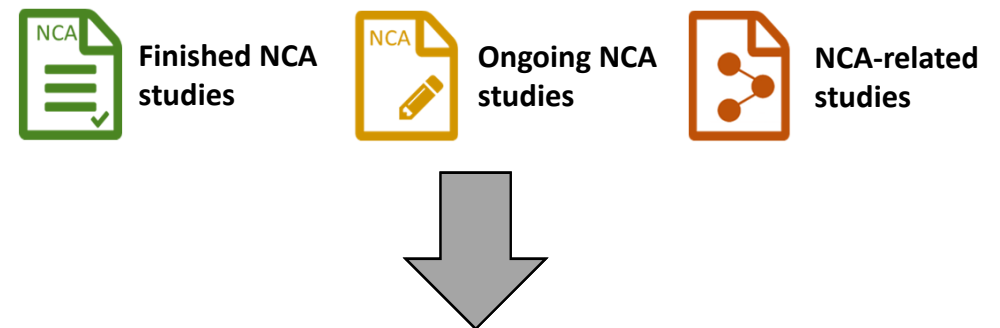
# Online survey

## Goals and structure

### WP2-WP3 first tasks: State-of-the-art

Assess the state-of-the-art of natural capital and ecosystem accounts in the 10 MAIA project countries:

- Number of studies
- Kind of accounts (ecosystem extent, condition, ES supply and use, monetary assets...)
- Thematic accounts
- Units used
- Ecosystem/habitat type assessed
- Etc.

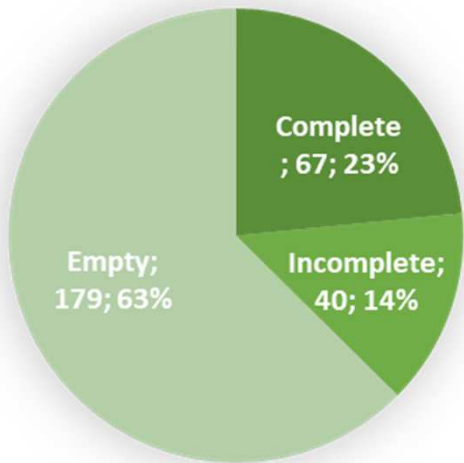


Identification of difficulties : problem, needs etc.

# Online survey



286 records



General types of records



96 respondents

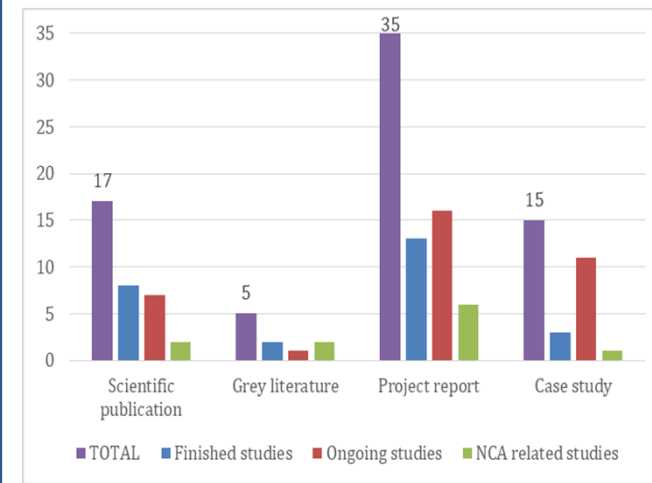


52 studies

22 Finished

21 Ongoing

9 NCA-related



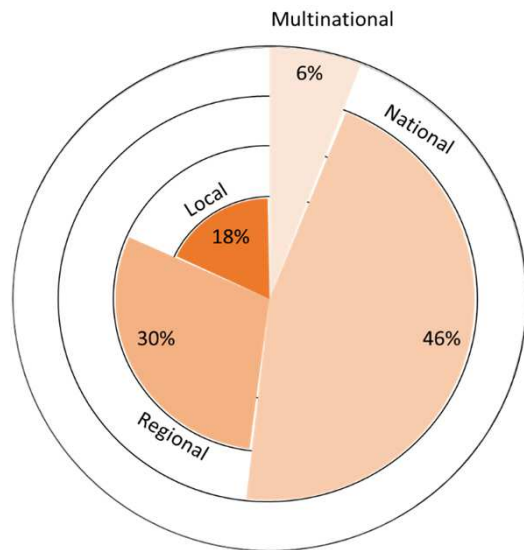
Types of studies

# Online survey

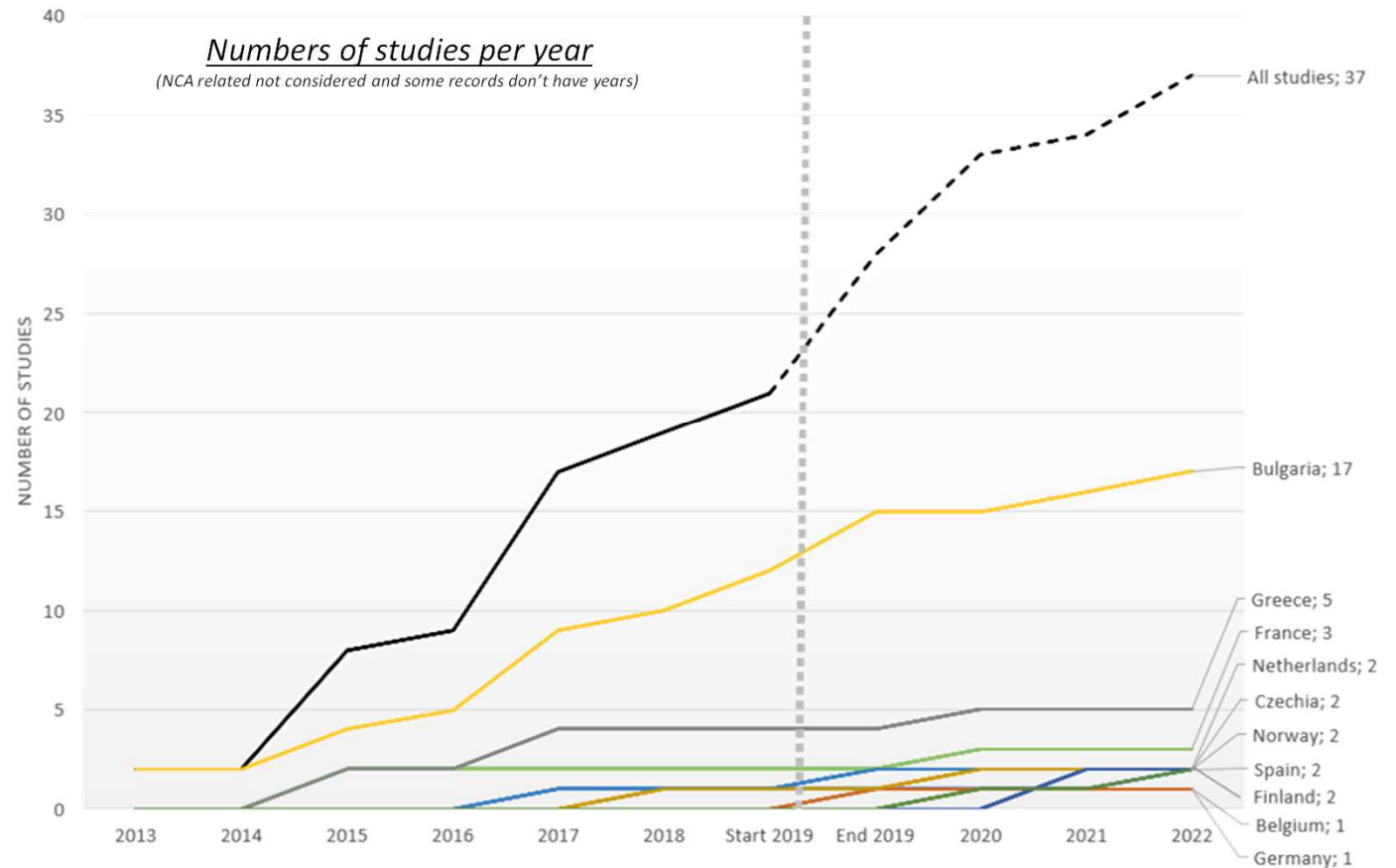


**52 studies**

- 22 Finished
- 21 Ongoing
- 9 NCA-related



Scale of studies



# Online survey



52 studies

22 Finished  
21 Ongoing  
9 NCA-related

## Numbers of studies (projects) per country



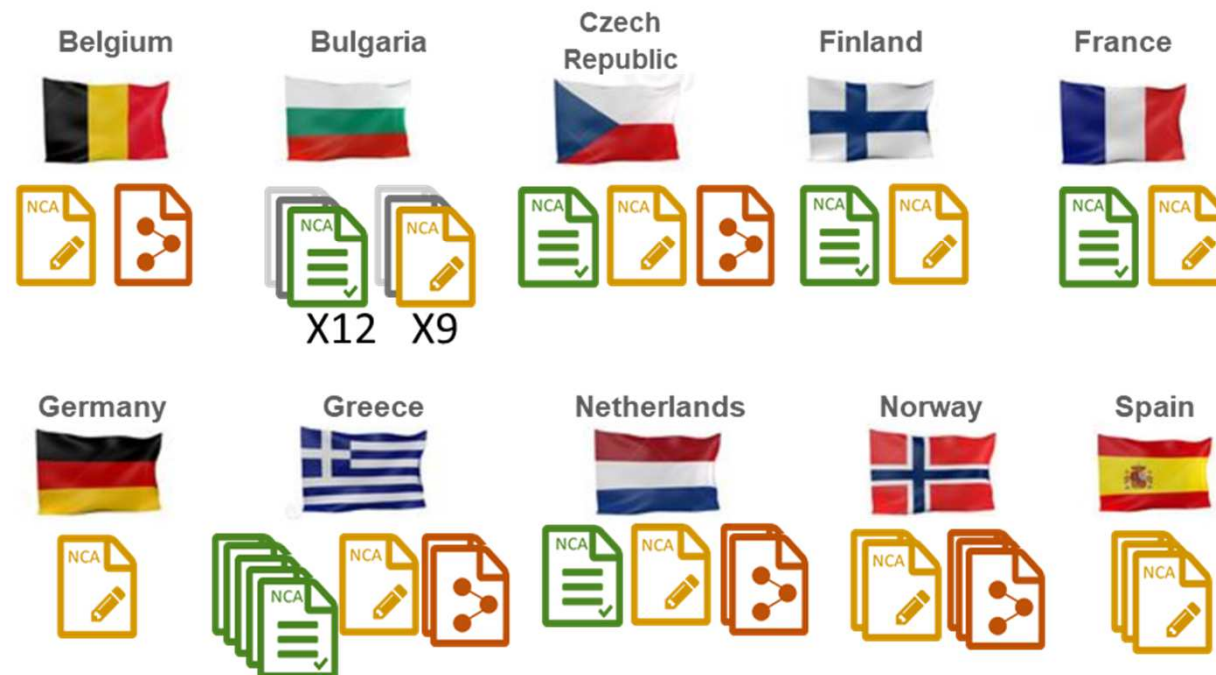
**Finished NCA studies**  
22 in total



**Ongoing NCA studies**  
21 in total



**NCA-related studies**  
9 in total



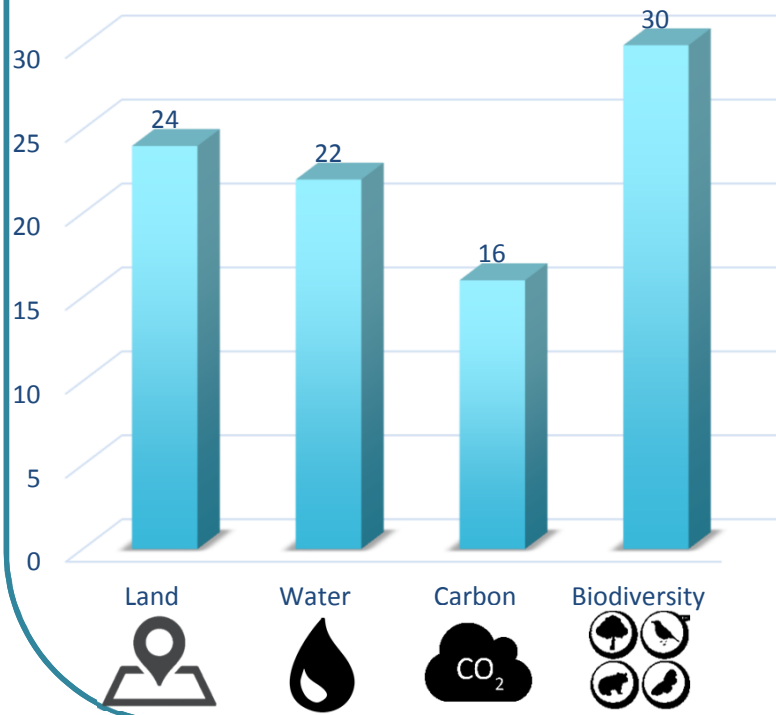
# Online survey



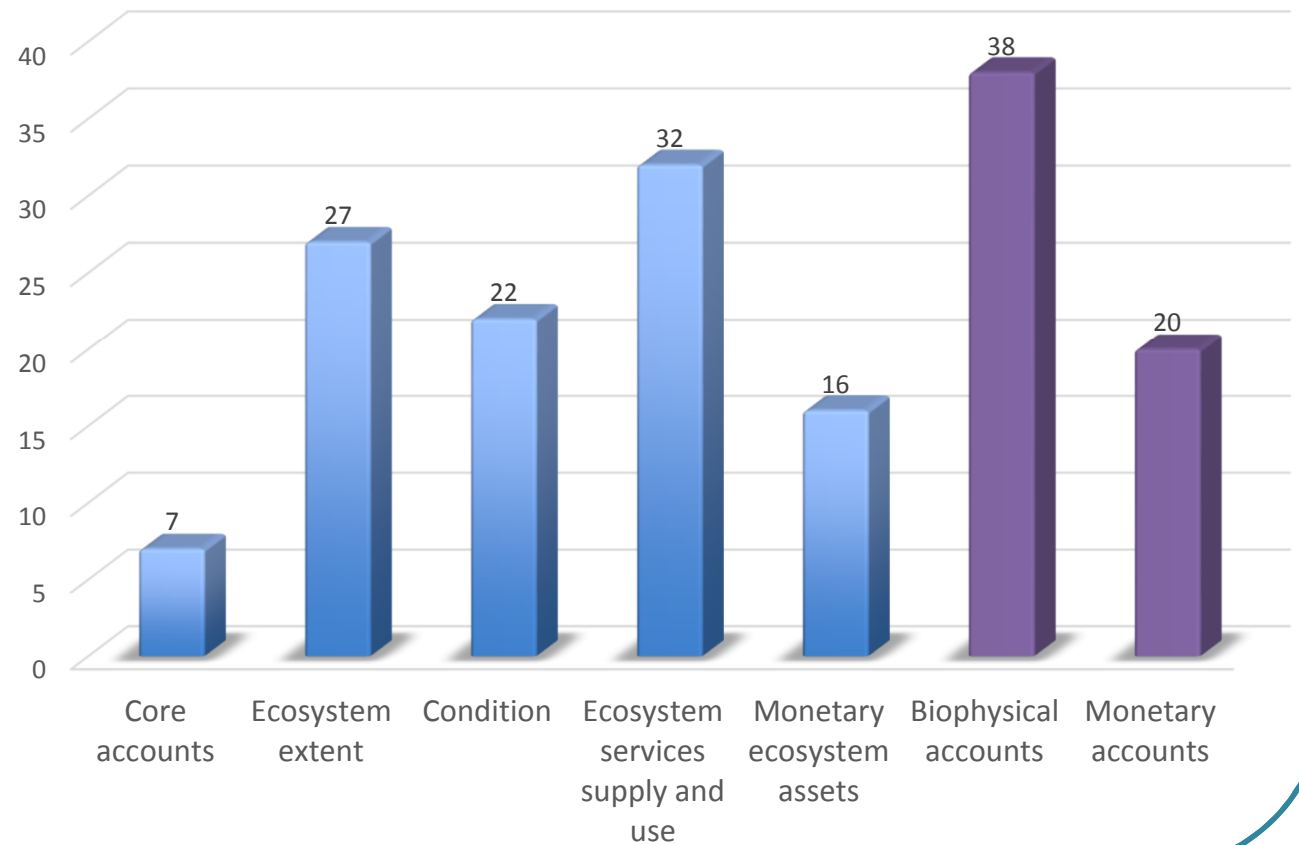
## 43 NCA studies

22 Finished  
21 Ongoing

### Thematic accounts



### Kind of accounts and units used



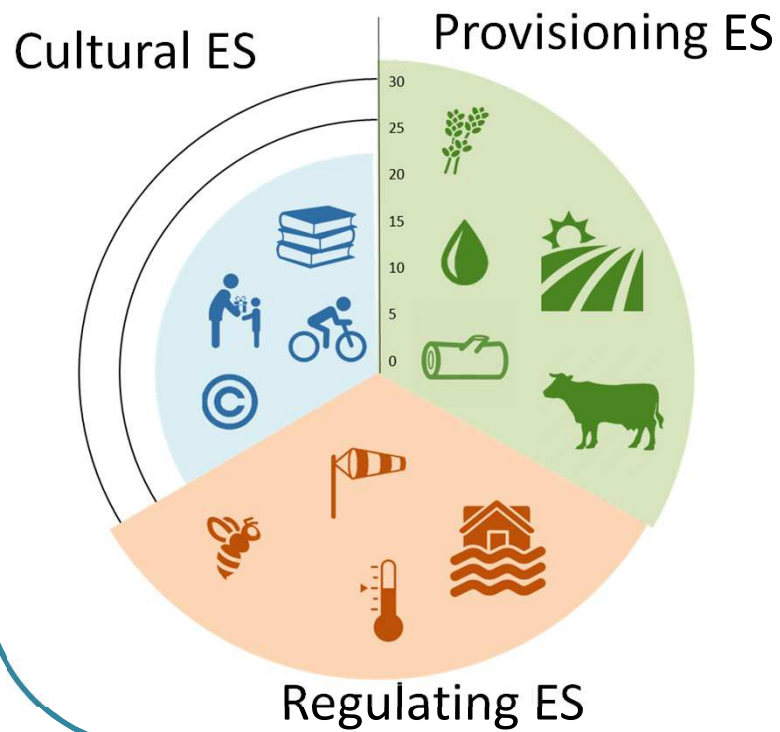
# Online survey



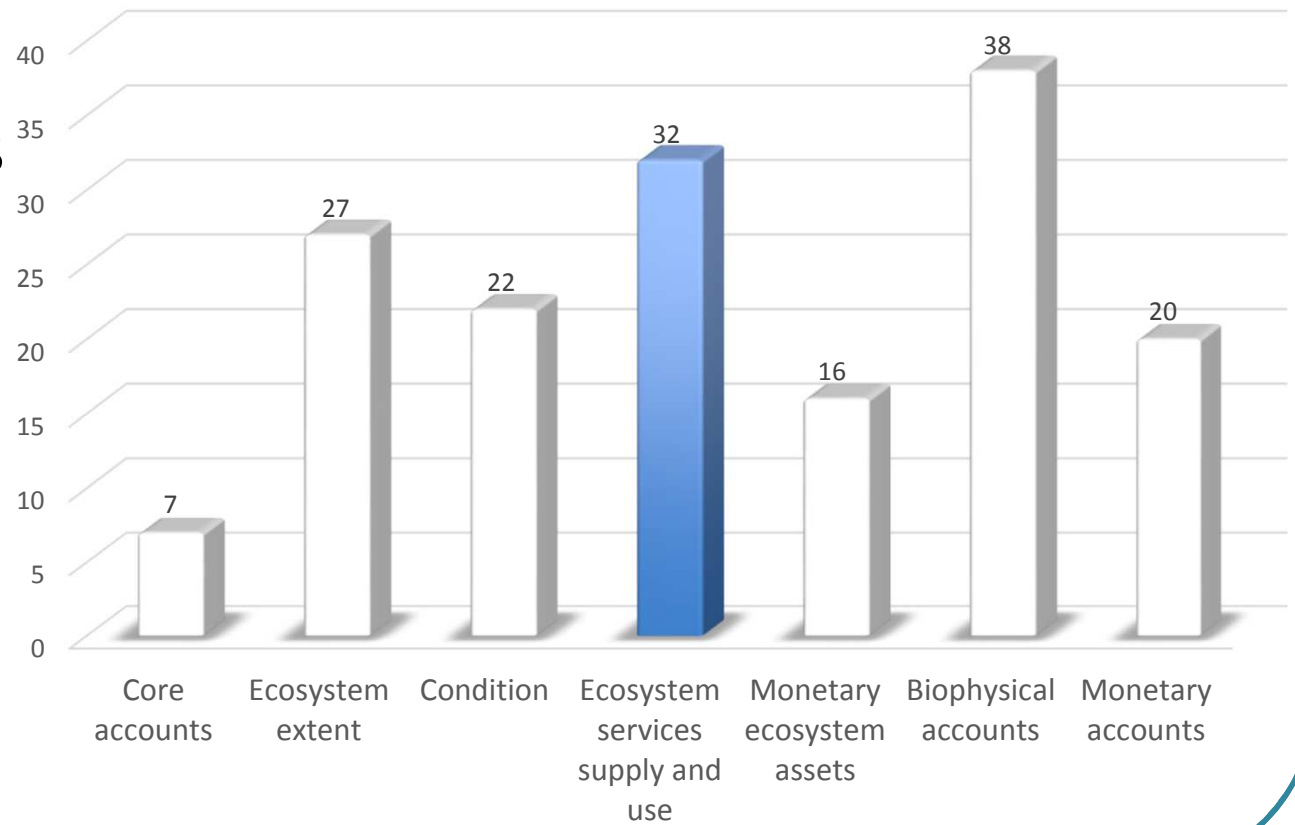
43 NCA studies

22 Finished

21 Ongoing



Kind of accounts and units used





# Online survey



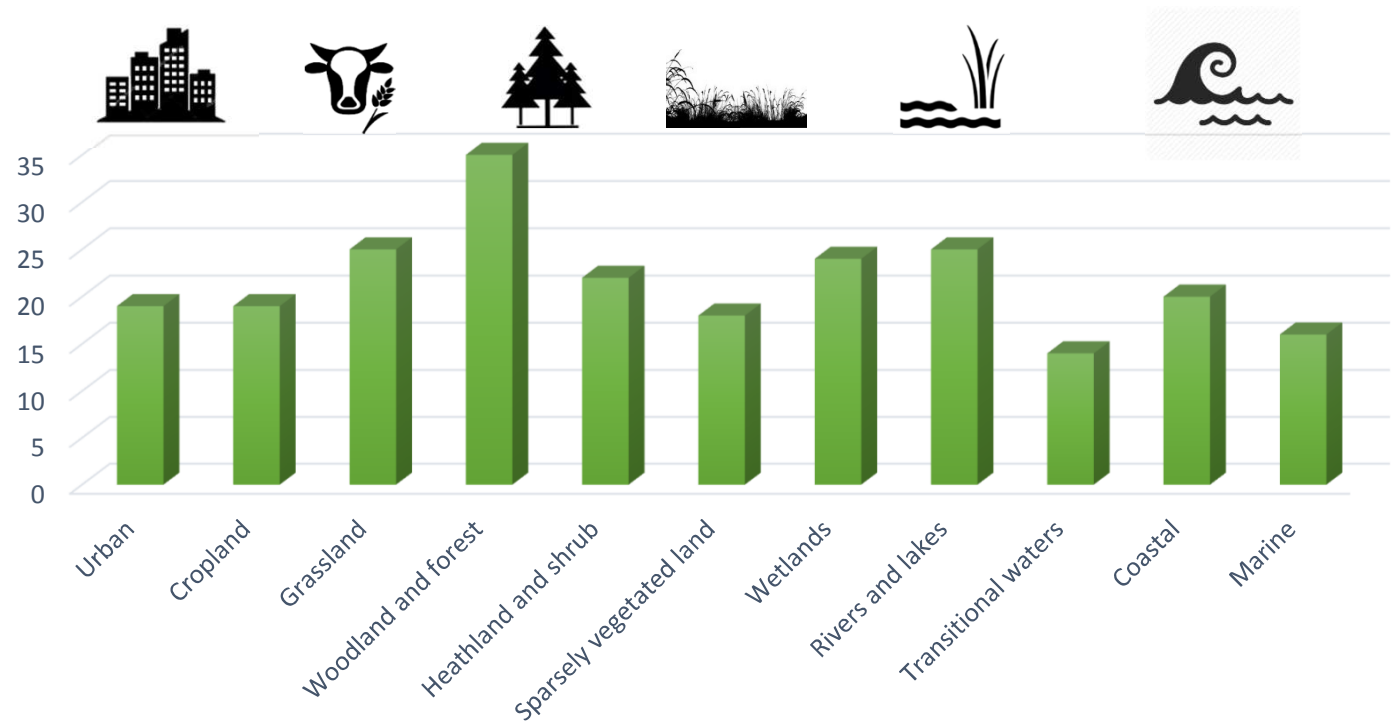
52 studies

22 Finished

21 Ongoing

9 NCA-related

## Ecosystem/habitat type



# Online survey



50 studies

21 Finished

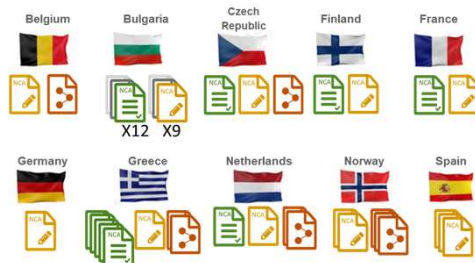
20 Ongoing

9 NCA-related

Finished NCA studies 22 in total

Ongoing NCA studies 21 in total

NCA-related studies 9 in total



## Ongoing NCA

Identification of difficulties in 3 countries  
(2 from Bulgaria and one from Norway)

### 1. Problem identified for data availability

Need of more **work force** and **training courses**.

Interested in online meeting(s) to define help

### 2. Problem identified for the overall study

Need of **training courses** and **financial resources**.

Interested in online meeting(s) to define help

### 3. Problem identified in the organization and staff power

Need of more **work force**

Interested in online meeting(s) to define help



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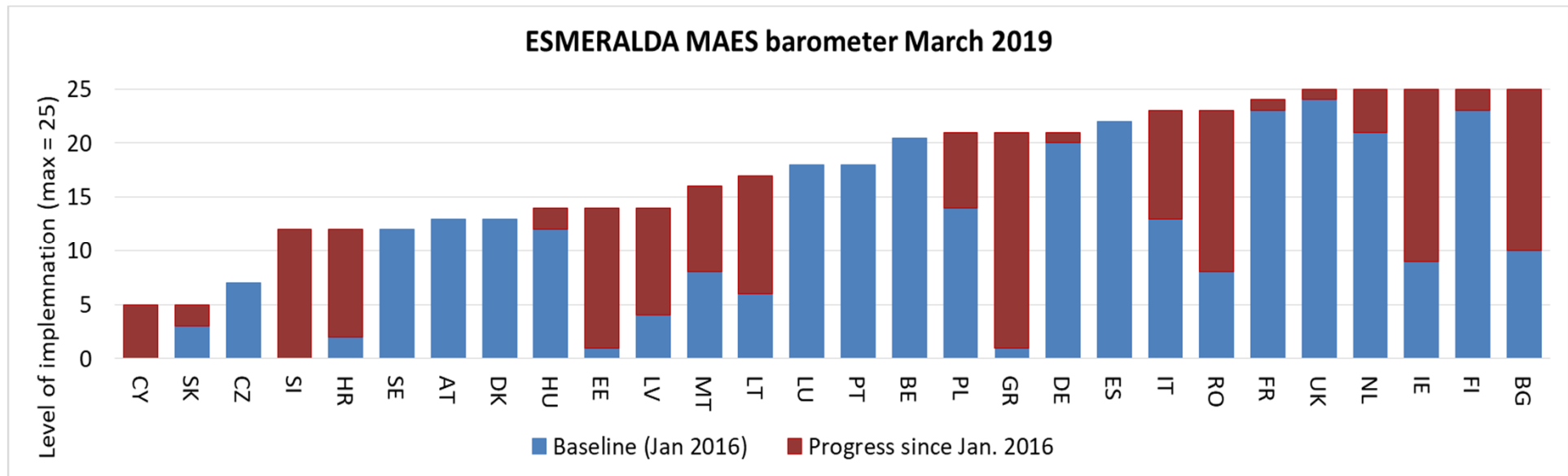
# ESMERALDA MAES Barometer

## MAIA MAES NCA Barometer



# ESMERALDA MAES Barometer

updated in March 2019



# ESMERALDA MAES Barometer

updated with 7 NCA-related questions\*



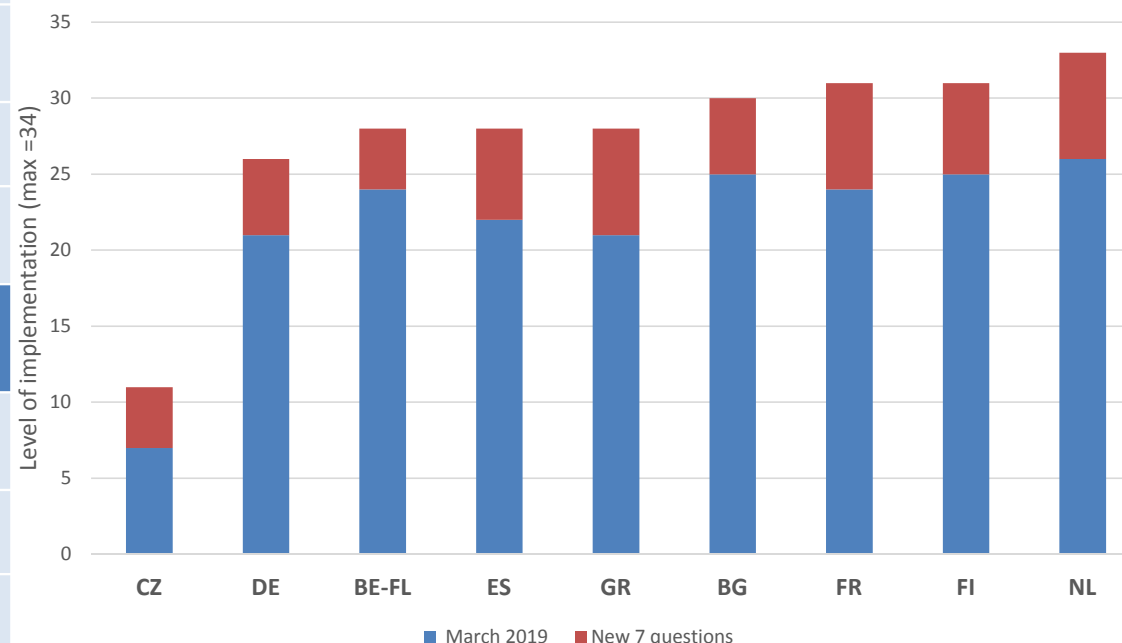
## For economic valuation processes at the national level:

1. Is there at least one **nationwide economic value** available for one ES in each category (prov., regulating, cultural ES) for communicating broad ES stakes?
2. Is at least one **economic value** for one ES in each ES category **mapped at national level** so that localized stakes are properly recognised?
3. Are there any **completed or ongoing projects** which have developed or used economic values for informing planning processes at different policy levels?
4. Are there actions taken to **include ES values into decision-making processes** or in policy impact assessment (in particular CBA, EIA)?

## For promoting the integration of these values into accounting and reporting systems at EU and national level:

5. Is there (at competent governance level) a **NCA committee or working group** which oversees the implementation of NCA in the country or region?
6. Are there any **pilot accounts** on economic valuation of natural capital taking place in your country (including the grants from Eurostat)?
7. Are any of the following **accounts available at national level**: Ecosystem extent, ecosystem condition, ES (with at least an account for ES) or thematic accounts on biodiversity or carbon?

ESMERALDA MAES Barometer updated in March 2019 and new questions



\*as identified in [ESMERALDA Deliverable 2.3](#) (2018) and tested in the MAIA online survey (2019)

# MAES NCA MAIA Barometer

## Proposition, to be discussed and improved

### Possible MAES NCA MAIA Barometer questions

(answered in MAIA Survey of 2019)

1. Are there any completed or ongoing **NC Accounts at national level** in your country?  
(meaning a combination of ecosystem extent, condition, ES, thematic accounts)

2. Are there any completed or ongoing **ecosystem extent accounts at national level**?  
(area of coverage of a given ecosystem type, e.g. land use, land cover or land ownership)

3. Are there any completed or ongoing **Condition accountings at national level**?  
(overall quality of an ecosystem asset)

4. Are there any completed or ongoing **ES supply and use accounts** (with at least an account for one service) at national level?

5. Are there any completed or ongoing **Thematic accountings of land** (use, cover or ownership) at national level?

6. Are there any completed or ongoing **Thematic accountings of water** at national level?

7. Are there any completed or ongoing **Thematic accountings of carbon** at national level?

8. Are there any completed or ongoing **Thematic Biodiversity accounts** at national level?  
(ecosystem and species-level biodiversity)

If Yes = 1

If no = 0

Additional optional questions is asked:  
*Doesn't it planned or already completed or ongoing at regional level?*

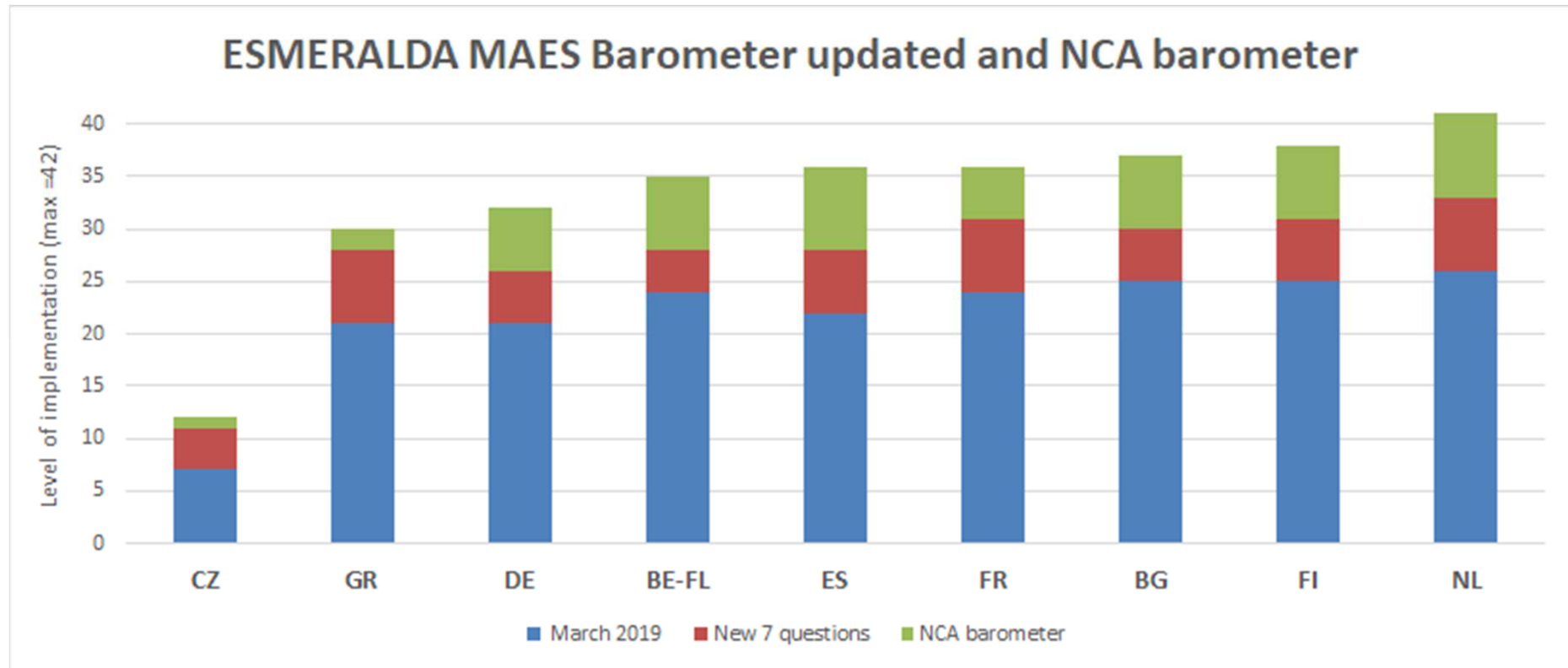


# MAES NCA MAIA Barometer

Proposition, to be discussed and improved



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*ESMERALDA MAES Barometer updated in March 2019 with the 7 new questions and the NCA barometer*



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# Thanks a lot for your attention!

[campagne@phygeo.uni-hannover.de](mailto:campagne@phygeo.uni-hannover.de)

*Mapping & Assessment for Integrated ecosystem Accounting*  
<http://maiaportal.eu/>

*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 817527*

# Country Fact Sheets



MAIA  
Metropolitan and Association for  
Integrated, ecosystem, Accounting



# Country Fact Sheets

**Table 1: Country status of studies**

Status of the NCA studies	Scale	Type of accounts	Type of thematic accounts	Ecosystem services categories	Term/units used
1. Finished 2. Ongoing 3. NCA-related studies	1. Multinational or National 2. Regional 3. Local	1. Core accounts; 2. Ecosystem extent; 3. Condition; 4. Ecosystem services supply and use; 5. Monetary ecosystem assets	1. Land; 2. Water; 3. Carbon; 4. Biodiversity	PS. Provisioning; RS. Regulation; CS. Cultural	Physical and Monetary

- List of studies



*The position of (the) case study / studies in those plans*

*List of the case studies done in the country*

- If needs have been asked

*The ecosystems covered in the country*



# Country Fact Sheets

**Table 1: Country status of studies**

Status of the NCA studies	Scale	Type of accounts	Type of thematic accounts	Ecosystem services categories	Term/units used
1. Finished	Multinational or National	1. Core accounts; 2. Ecosystem extent; 3. Condition; 4. Ecosystem services supply and use; 5. Monetary ecosystem assets	1. Land; 2. Water; 3. Carbon; 4. Biodiversity	PS. Provisioning; RS. Regulation; CS. Cultural	Physical and Monetary
2. Ongoing	Regional	2 types of accounts	2 types of thematic accounts	2 ES categories	
3. NCA-related studies	Local	1 type of accounts	1 type of thematic accounts	One ES categorie	Physical or Monetary



# Country Fact Sheets

## Spain



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# Spain



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3 studies

3 Ongoing



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# Spain



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Spain



Statut of the NCA studies	Project name	Scale	Type of accounts	Type of thematic accounts	Ecosystem services categories	Term/unit s used	Finished in / End planned for
2. Ongoing	Ecoacsa	1. Multinational	2. Ecosystem extent; 3. Condition; 4. Ecosystem services supply and use; 5. Monetary ecosystem assets	1. Land; 2. Water; 3. Carbon; 4. Biodiversity	PS. Provisioning; RS. Regulation; CS. Cultural	Physical; Monetary	2019
2. Ongoing	MAIA	2. National	1. Core accounts; 2. Ecosystem extent; 3. Condition; 4. Ecosystem services supply and use	4. Biodiversity	PS. Provisioning; RS. Regulation; CS. Cultural	Physical;	2022
2. Ongoing	Eurostat	1. Multinational	1. Core accounts	1. Land; 2. Water; 3. Carbon; 4. Biodiversity	PS. Provisioning; RS. Regulation	Physical;	-



# Spain



Spain



Statut of the NCA studies	Project name	Scale	Type of accounts	Type of thematic accounts	Ecosystem services categories	Term/unit s used	Finished in / End planned for
2. Ongoing	Ecoacsa	1. Multinational	2. Ecosystem extent; 3. Condition; 4. Ecosystem services supply and use; 5. Monetary ecosystem assets	1. Land; 2. Water; 3. Carbon; 4. Biodiversity	PS. Provisioning; RS. Regulation; CS. Cultural	Physical; Monetary	2019
2. Ongoing	MAIA	2. National	1. Core accounts; 2. Ecosystem extent; 3. Condition; 4. Ecosystem services supply and use	4. Biodiversity	PS. Provisioning; RS. Regulation; CS. Cultural	Physical;	2022
2. Ongoing	Eurostat	1. Multinational	1. Core accounts	1. Land; 2. Water; 3. Carbon; 4. Biodiversity	PS. Provisioning; RS. Regulation	Physical;	-

1. Finished
2. Ongoing
3. NCAA-related studies

National	More than 3 types of accounts	More than 3 types of thematic accounts	All ES categories	Physical and Monetary
Regional	2 types of accounts	2 types of thematic accounts	2 ES categories	
Local	1 type of accounts	1 type of thematic accounts	One ES categorie	Physical or Monetary

# Country Fact Sheets

## France



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# France



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France



3 studies

1 Finished

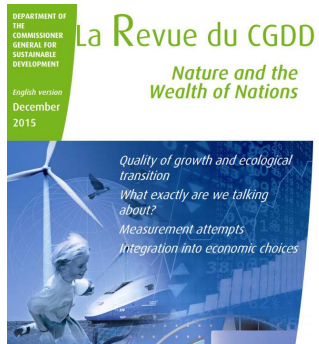
1 Ongoing

1 NCA-related



MAIA

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# France



France



3 studies

1 Finished

1 Ongoing

1 NCA-related

Statut of the NCA studies	Project name	Scale	Type of accounts	Type of thematic accounts	Ecosystem services categories	Term/units used	Finished in / End planned for
1. Finished	VALMER	3. Regional	4. Ecosystem services supply and use; 5. Monetary ecosystem assets	2. Water; 4. Biodiversity	CS. Cultural	Monetary	2015
2. Ongoing	EU H2020 (MAIA project)	2. National	2. Ecosystem extent; 3. Condition; 5. Monetary ecosystem assets	4. Biodiversity	PS. Provisioning ; RS. Regulation; CS. Cultural	Physical; Monetary	2020
3. NCA-related study (noted as 1. Finished but harmonized)	Nature and the Wealth of Nations	2. National	/	2. Water; 3. Carbon	RS. Regulation;	Physical; Monetary	2015

1. Finished
2. On going
3. NCA related studies

National	More than 3 types of accounts	More than 3 types of thematic accounts	All ES categories	Physical and Monetary
Regional	2 types of accounts	2 types of thematic accounts	2 ES categories	
Local	1 type of accounts	1 type of thematic accounts	One ES categorie	Physical or Monetary

# France



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France



3 studies

- 1 Finished
- 1 On going
- 1 NCA related

Statut of the NCA studies	Project name	Scale	Type of accounts	Type of thematic accounts	Ecosystem services categories	Term/units used	Finished in / End planned for
1. Finished	VALMER	3. Regional	4. Ecosystem services supply and use; 5. Monetary ecosystem assets	2. Water; 4. Biodiversity	CS. Cultural	Monetary	2015
2. Ongoing	EU H2020 (MAIA project)	2. National	2. Ecosystem extent; 3. Condition; 5. Monetary ecosystem assets	4. Biodiversity	PS. Provisioning ; RS. Regulation; CS. Cultural	Physical; Monetary	2020
3. NCA-related study (noted as 1. Finished but harmonized)	Nature and the Wealth of Nations	2. National	/	2. Water; 3. Carbon	RS. Regulation;	Physical; Monetary	2015

1. Finished
2. Ongoing
3. NCA-related studies

National	More than 3 types of accounts	More than 3 types of thematic accounts	All ES categories	Physical and Monetary
Regional	2 types of accounts	2 types of thematic accounts	2 ES categories	
Local	1 type of accounts	1 type of thematic accounts	One ES categorie	Physical or Monetary



# Comparison between countries



	Statut of the NCA studies	Scale	Type of accounts	Type of thematic accounts	Ecosystem services categories	Term/units used
Belgium	2. On going; 3. NCA related studies	3. Regional	2. Ecosystem extent ; 3. Condition; 4. Ecosystem services supply and use; 5. Monetary ecosystem assets	1. Land; 2. Water; 3. Carbon;	PS. Provisioning; RS. Regulation; CS. Cultural	Physical; Monetary
Bulgaria						
Czechia						
Finland						
France	1. Finished; 2. On going; 3. NCA related studies	2. National	2. Ecosystem extent ; 3. Condition; 4. Ecosystem services supply and use; 5. Monetary ecosystem assets	1. Land; 2. Water; 3. Carbon; 4. Biodiversity	PS. Provisioning; RS. Regulation; CS. Cultural	Physical; Monetary
Germany	2. Ongoing	2. National	2. Ecosystem extent ; 3. Condition; 4. Ecosystem services supply and use; 5. Monetary ecosystem assets	1. Land; 4. Biodiversity	PS. Provisioning; CS. Cultural	Physical; Monetary
Greece						
Netherlands						
Norway						
Spain	2. On going	1. Multinational; 2. National	1. Core accounts; 2. Ecosystem extent; 3. Condition; 4. Ecosystem services supply and use; 5. Monetary ecosystem assets	1. Land; 2. Water; 3. Carbon; 4. Biodiversity	PS. Provisioning; RS. Regulation; CS. Cultural	Physical; Monetary



1. Finished	National	More than 3 types of accounts	More than 3 types of thematic accounts	All ES categories	Physical and Monetary
2. On going	Regional	2 types of accounts	2 types of thematic accounts	2 ES categories	
3. NCA related studies	Local	1 type of accounts	1 type of thematic accounts	One ES categorie	Physical or Monetary

# Next step (To do list)



	Statut of the NCA studies	Scale	Type of accounts	Type of thematic accounts	Ecosystem services categories	Term/units used
Belgium	2. On going; 3. NCA related studies	3. Regional	2. Ecosystem extent ; 3. Condition; 4. Ecosystem services supply and use; 5. Monetary ecosystem assets	1. Land; 2. Water; 3. Carbon;	PS. Provisioning; RS. Regulation; CS. Cultural	Physical; Monetary
Bulgaria						
Czechia						
Finland						
France	1. Finished; 2. On going; 3. NCA related studies	2. National	2. Ecosystem extent ; 3. Condition; 4. Ecosystem services supply and use; 5. Monetary ecosystem assets	1. Land; 2. Water; 3. Carbon; 4. Biodiversity	PS. Provisioning; RS. Regulation; CS. Cultural	Physical; Monetary
Germany	2. Ongoing	2. National	2. Ecosystem extent ; 3. Condition; 4. Ecosystem services supply and use; 5. Monetary ecosystem assets	1. Land; 4. Biodiversity	PS. Provisioning; CS. Cultural	Physical; Monetary
Greece						
Netherlands						
Norway						
Spain	2. On going	1. Multinational; 2. National	1. Core accounts; 2. Ecosystem extent; 3. Condition; 4. Ecosystem services supply and use; 5. Monetary ecosystem assets	1. Land; 2. Water; 3. Carbon; 4. Biodiversity	PS. Provisioning; RS. Regulation; CS. Cultural	Physical; Monetary

+ Deliverable 3.1