

# EDP Focus-Group Methodology

Iasi, North East Romania

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Elisabetta Marinelli

Elisabetta.Mainelli@ec.europa.eu

[www.jrc.ec.europa.eu](http://www.jrc.ec.europa.eu)

*Serving society*

*Stimulating innovation*

*Supporting legislation*



# EDP in Biotechnology

## 4x4 – Challenges & Opportunities

- Bio nano-technologies
- Medical and pharmaceutical biotechnology

### HEALTH

Healthy ageing, demography and welfare



- Pollution-removal and waste recovery
- Environment-oriented biotechnologies

### WATER/ENV.

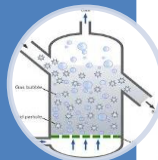
Clean, Safe, Water



- Industrial biotechnologies

### ENERGY

Reliable, clean and efficient energy



- Agrofood biotechnologies

### AGRO-FOOD

Food security, sustainable agriculture and bio-economy



European Commission

ie  
Institute for Energy

ipSc  
Institute for the Protection and Security of the Citizen

ihp  
Institute for Health and Consumer Protection

Directorate General

KARL

ISPR

Institute for Environment and Sustainability

ipts  
Institute for Prospective Technological Studies

# Overview of the day

European  
Commission

Opening remarks and outline of the day 09:30 – 10:00

Plenary Session 1 – Sharing national and international experiences 10:00-11:00

Coffee break 11:00-11:30

**Participatory Exercise 1 – 11:30 to 13:00**

Lunch break 13:00-14:00

**Participatory Exercise 2 – 14:00 to 16:30**

Coffee break 16:30-17:00

Plenary session 2- Report back and round table 17:00 – 17:30

**4-ple helix dynamics**  
common identification  
of challenges  
and opportunities

# Participatory exercises – overview

European  
Commission

4 working  
groups

- 1 per theme
- 1 moderator – do what she/he says!
- 1 secretary – provides support to participants & moderator

2 exercises

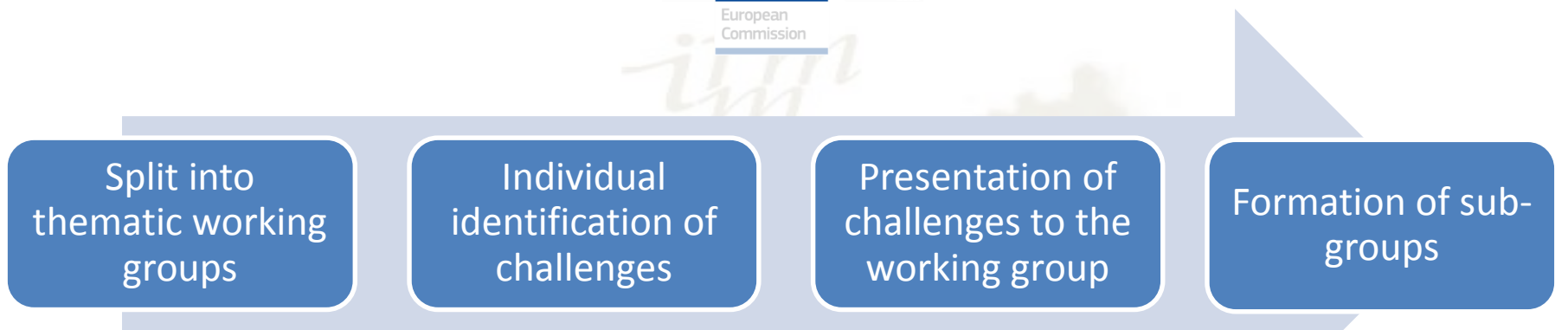
- Ex 1: identification of challenges and sub-groups interested
- Ex 2: sub-groups discuss ways to address the challenge

Outcome

- Understanding of opportunities for regional development
- 4-ple helix perspective
- Shape RIS3 concept note -> influence ROP



# Participatory exercise 1



# Participatory exercise 1

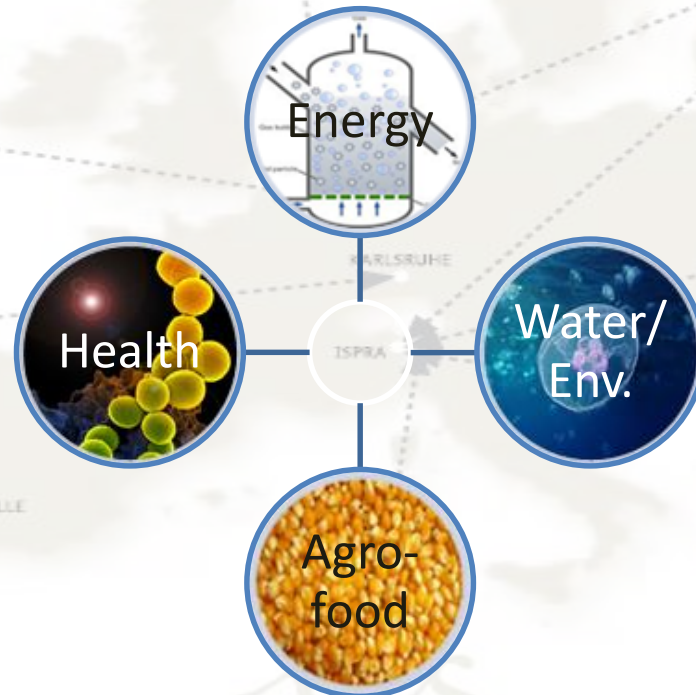
European  
Commission

Split into  
thematic working  
groups

Individual  
identification of  
challenges

Presentation of  
challenges to the  
working group

Formation of sub-  
groups



# Participatory exercise 1

European  
Commission

Split into  
thematic working  
groups

Individual  
identification of  
challenges

Presentation of  
challenges to the  
working group

Formation of sub-  
groups

Challenge fiche

- Individual reflection
- 10 minutes
- Bring your perspective



Sector – Please tick the one which  
applies

Research

Private

Public

Ngo

Challenge Title:

Challenge description and  
impacts on the region

# Participatory exercise 1

European  
Commission

Split into  
thematic working  
groups

Individual  
identification of  
challenges

Presentation of  
challenges to the  
working group

Formation of sub-  
groups

**Roundtable of short,  
presentations**



**Challenges can be  
discussed/reformulated in group**

**Follow the moderator**

*dg*  
Directorate  
General

*itu*  
Institute for  
Transuranium  
Elements

SEVILLE

*ipts*  
Institute for  
Prospective  
Technological Studies

*ies*  
Institute for  
Environment and  
Sustainability

*ipsc*  
Institute for the Protection  
and Security of the Citizen

*ihcp*  
Institute for Health  
and Consumer Protection



# Participatory exercise 1

European  
Commission

Split into  
thematic working  
groups

Individual  
identification of  
challenges

Presentation of  
challenges to the  
working group



Formation of sub-  
groups

Preference table

Challenges	Participants			
C.1	P1	P2	P4	P3
C.2	P2	P4	P3	
C.3	P3	P1		
C.4	P4	P1		

Voting & Consensus  
building

Sub-groups

4-6 triple helix  
participants  
addressing one  
challenge

# Participatory exercise 2



# Participatory exercise 2

European  
Commission

Split into sub-  
groups

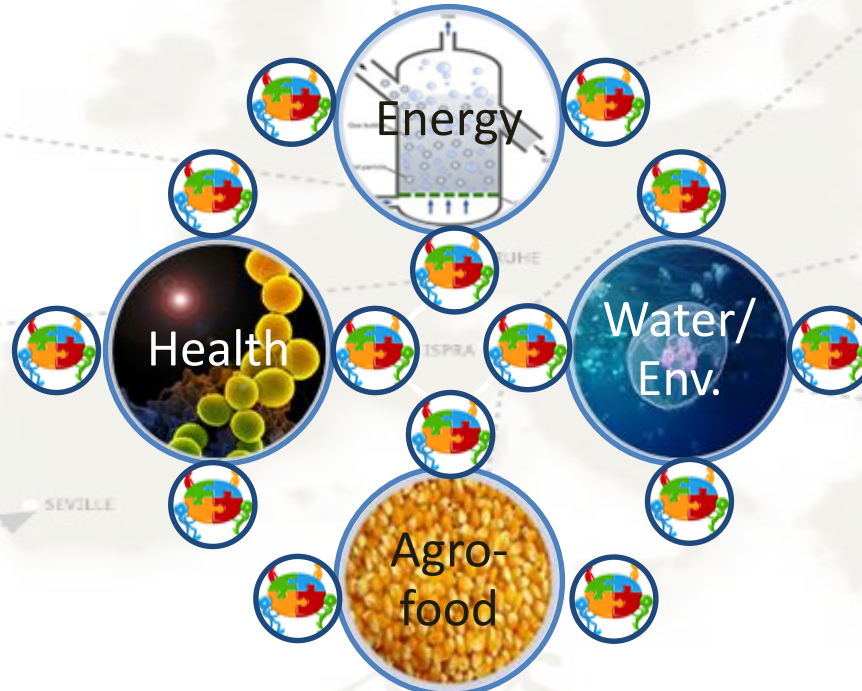
2x4 Brief  
presentations

Fill-in "Regional  
development  
Idea"

Internal reporting



Sub-groups  
identified in ex 1



# Participatory exercise 2

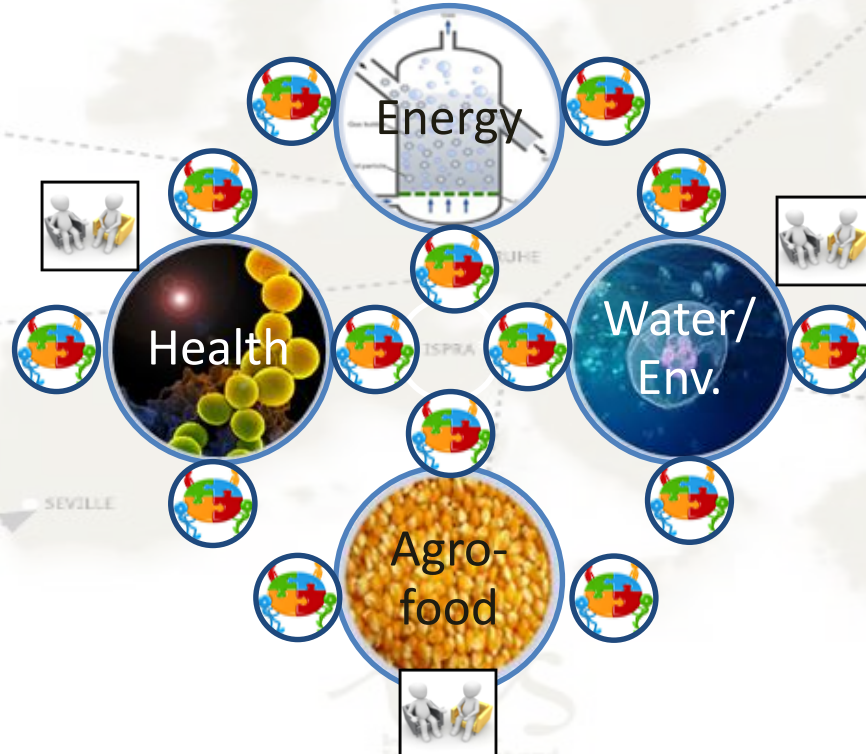
European  
Commission

Split into sub-  
groups

2x4 Brief  
presentations

Fill-in "Regional  
development  
Idea"

Internal reporting  
idea



Leading local member  
from

- Research sector
- Industry

# Participatory exercise 2

European  
Commission

Split into sub-  
groups

2x4 Brief  
presentations

Fill-in "Regional  
development  
Idea"

Internal reporting

Regional development fiche

- **Sub-group exercise**
- **1:30 minutes**
- **Type in computer**
- **Use images/links**



1. Title and brief description of the challenge
2. Opportunity offered by the challenge
3. Regional strengths
4. Regional weaknesses
5. Role of 4-ple helix
6. Relevant international experiences

Nominate

- **Writer**
- **Rapporteur**

# Participatory exercise 2

European  
Commission

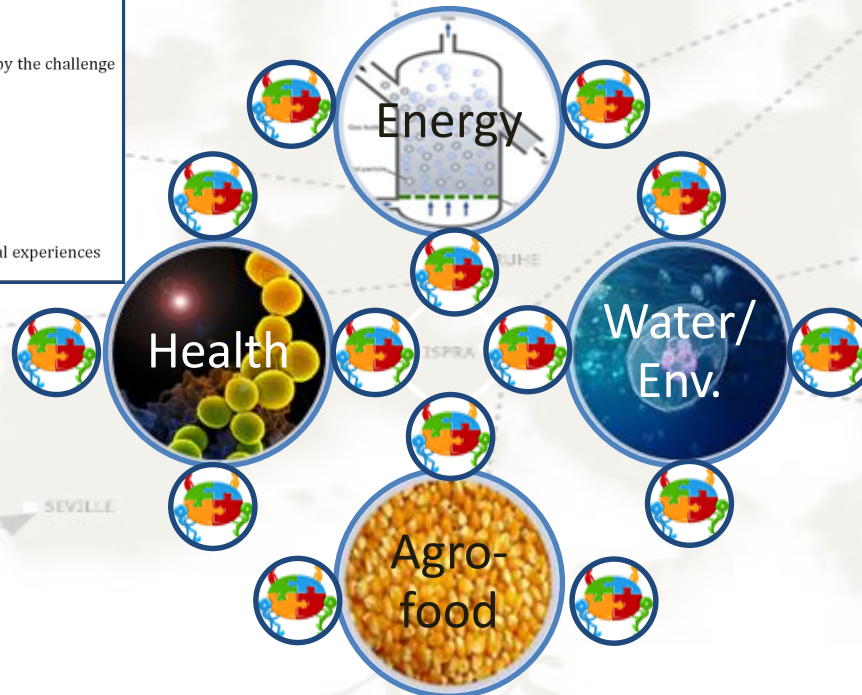
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Internal reporting

1. Title and brief description of the challenge
2. Opportunity offered by the challenge
3. Regional strengths
4. Regional weaknesses
5. Role of 4-ple helix
6. Relevant international experiences



# Conclusions

European  
Commission

## Output

- list of ideas for regional development
- Shared by 4-ple helix
- Based on local strengths
- Aware of local limitations

## Outcome

- 4-ple Helix understanding of bio-tech opportunities
- 4-ple Helix understanding of EDP

## Impact

- Influence ROP funding
- Develop RIS3 strategy further