



Establishing a European Public Private Partnership on soil restoration for reducing environmental inequalities



**The actors in a European PPP:
A win-win strategy
for societal issues and
industrial competitiveness**

**Private companies
specialised in
remediation**

**Public stakeholders
interested in improving
environmental quality
and equity and
economic potential**

**Private companies
interested in
decontaminated sites
(real estate,
construction, recycling,
farmers...)**

**Research institutes
specialized in
ecotechnologies and
health-environment**

Here: contribute to the preparation of FP8

Main motivations

- 1) **Need for re-using contaminated sites** in urban and peri-urban areas
 - **High demographic pressure on (peri)urban soils**
 - residential, business, recreative, gardening
 - **Avoid "consumption" of rural soils** (sealing, traffic, air pollution,...):
 - Resource Efficiency Roadmap's goal: no net land take by 2050
 - **Urban planning**: spatial continuity, avoid "black spots"

- 2) **Need to develop in-situ or on-site restoration** rather than soil excavation
 - **Prevents place consumption and traffic** for disposal/ treatment
 - **Limits remediation costs** (incl. status of off-site soils as waste)

- 3) **Need for a European-wide playfield: market, actors,...**
 - **3,5 M potential sites, 0,5 M needing remediation, 3+ Mrd € /year**
 - **National rules, actors, degrees of development**
 - ➔ **place for more efficiency, critical mass, competitiveness**



Main outcomes

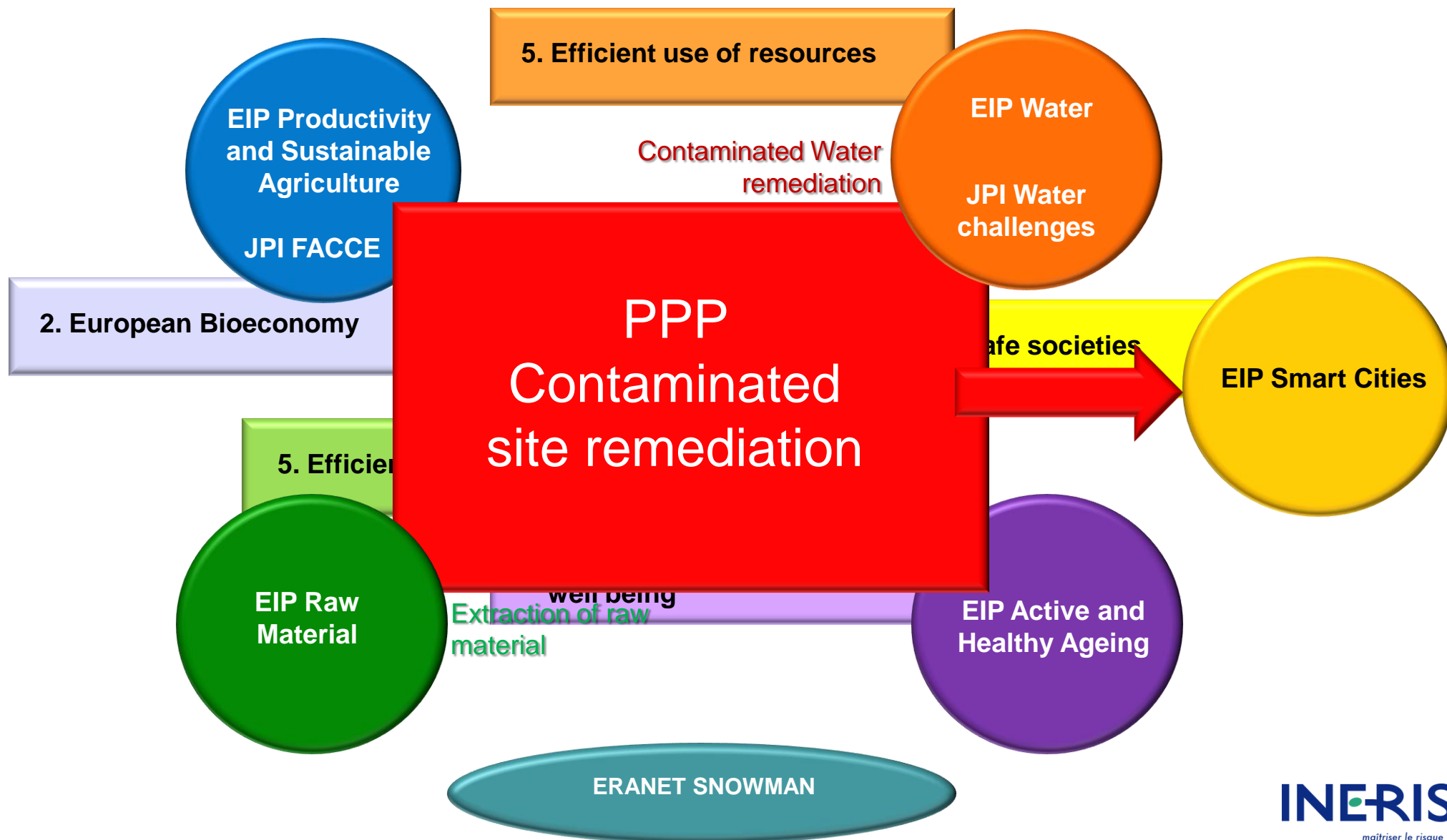
- 1) Develop/Improve **Technologies** for:
 - **In-situ and on-site remediation**, recovery of metals & gain of energy/materials
 - **Measurement of emerging contaminants**
 - **Site assessment based on site use** (harmonization)
 - **Decision-making**

- 2) Increase the **Scientific** knowledge on:
 - **Relationships between contaminated sites and human & environmental health**
 - **Fate and multimedia transfer of compounds**

- 3) Improve the **Society and economy**
 - **Reduce environmental inequalities** (lower prices, no "black spots for the poors")
 - **Boost economic growth in & attractiveness of the European cities**
 - **Boost exports outside Europe** (larger, global players)

- 4) **Contribute to European Regulation / its implementation**
 - **Industrial Emissions Directive, Soil Directive**

PPP Cont^{ed} soils and Existing European Initiatives





PPP contaminated soils:

Potential Working Groups

- ① Contaminant **sampling and measuring** techniques according to media
- ② Evaluation of **remediation techniques**: ETV
- ③ **Prioritisation and goals of remediations** according to land uses and environmental/health objectives
- ④ Improving knowledge of **environment-health relationships**
- ⑤ **Policy** impact assessment, **regulatory** analysis
- ⑥ **International** collaborations



Planning

1) Until October 2013: Meetings, Sharing and Maturation

- **JRC and DG ENV** – 14th of May 2013: Supporting the ideas
- « *If European Partnership not possible, would be a European Initiative of the Global Soil Partnership* », **need an exchange forum in october 2013**
- **French Picardy Region**: could be interested, need a validation
- **Industry: professional associations,...** (to follow)

2) October – December 2013: Elaboration of a **common vision**

- with involved partners

3) December 2013 – March 2014 : Elaboration of the **Implementation Plan**