ETeMII: final results

Work package on reference data

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ETeMII

high level briefing, Antwerp Belgium, March 7&8 2002

FAQ on reference data

- What is reference data?
- Why reference data?
- How to meet the functional requirements?
- Reference data : what level needs it?
- Whose users in the ETeMII process?
- What is reference data composed of?
- What benefit will reference data bring?
- What action plan for reference data?

What is reference data?

- Base data, core data, fundamental data, etc…

- A digital topographic ‘map’ (the base map of earlier days)?
- A ‘minimum’ common denominator?
- The data that ‘everybody’ uses,
- A public service, …

Why reference data?

- Reference data must meet 3 functional requirements :
  - Provide an unambiguous location for a user's information
  - Enable the merging of data from various sources
  - Provide a context to allow others to better understand the information that is being presented
- A key to data interoperability!

How to meet the functional requirements?

- Framework data that enables the location of data (co-ordinates, addresses, units of property rights, units of administration, etc.)
- Real world objects (transport infrastructure, hydrography, relief, etc.)
- Contextual data which provides the users with an understanding of the context in which they are operating (orthoimagery, land cover)

Reference data : what level needs it?

- Europe, with the needs for harmonised pan-European data for governance and market
- Trans-border projects hindered by heterogeneous data
- National, sub-national and local entities, public or private, for more efficient and cost effective exploitation of data collection, maintenance and use

Critical issue of scale/resolution of data

Who has defined the ETeMII reference data?

- Or the inescapable « user requirements », and
- The uncatchable « user »…

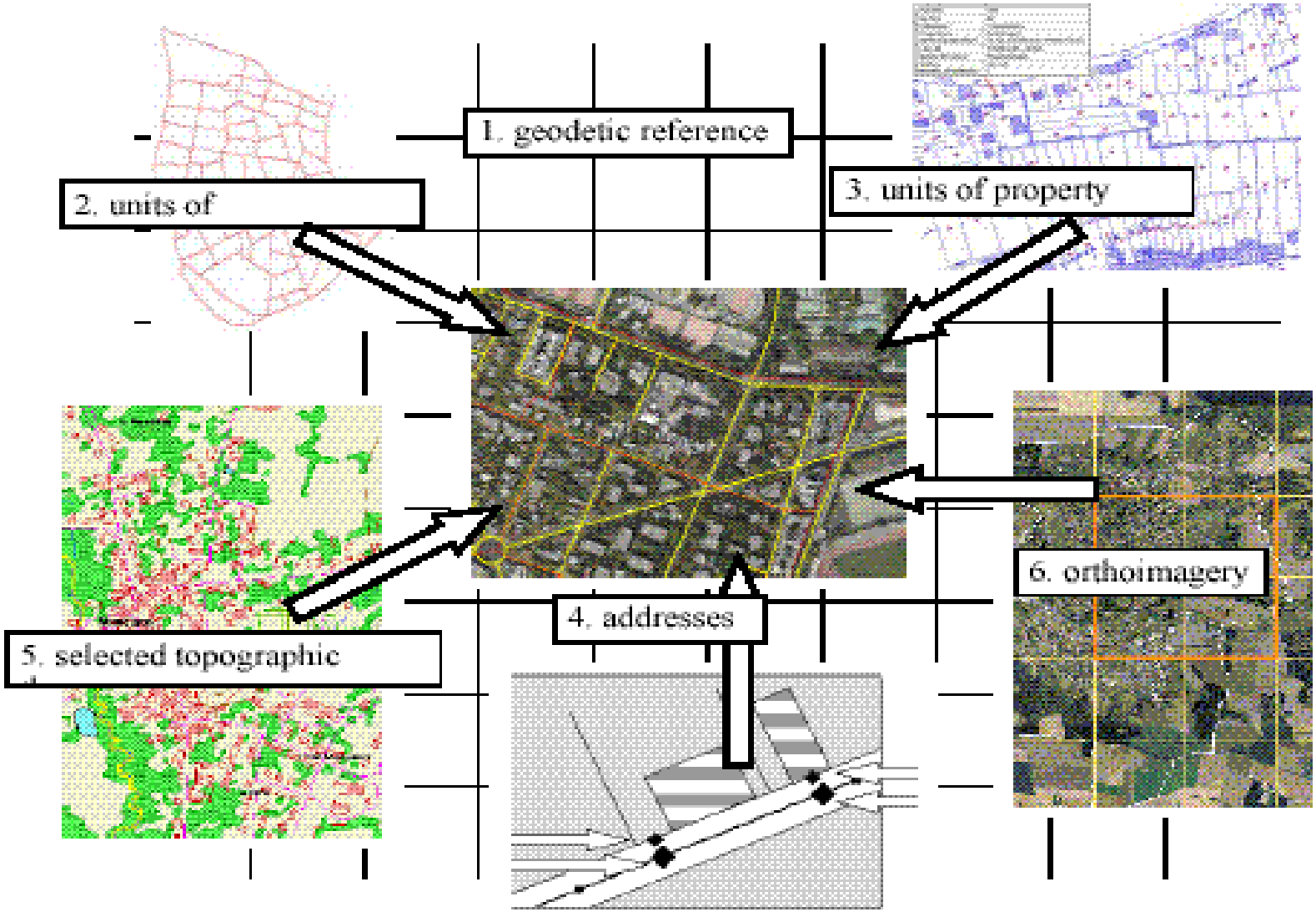
- All and everything is an actual or potential user of GI (especially reference data GI)!

Whose users in the ETeMII process?

- FR : AFIGéO seminar 20/01/00
- IT : GISFORM/ASITA seminar 21/06/00
- DE-AU-CH : seminar 6/07/00
- UK : position paper 01/01
- PT : position paper 01/01
- 1st European WS, Postdam 12/06/01
- 2nd European WS, Rome 18-19/10/01

What is reference data composed of?

1. Geodetic reference system
2. Units of administration
3. Units of property right
4. Addresses
5. Selected topographic themes
6. Orthoimagery



The five components integrated in the sixth (common geodetic reference system) to create the complete set of

ETeMII Reference data

INSPIRE (E-ESDI) views on components

- Buildings (incl. in property rights)
- Selected topographic themes
  - Transport network
  - Height
  - Hydrography
  - Land cover
- Gazetteer (7th component)

Key issues (ETeMII revisited by INSPIRE)

- Data collected once and maintained where effective
- Possible to combine seamlessly
- Information collected at one level shared with others
- Abundant under conditions that do not refrain extensive use
- Easy to discover, evaluate, acquire
- Easy to understand an interpret

What benefits from reference data?

- The cornerstone for ESDI/GI interoperability
  - Consistency in data content/model/quality
  - Consistency in data access policy
  - Collaborative agreements for data custodianship and maintenance

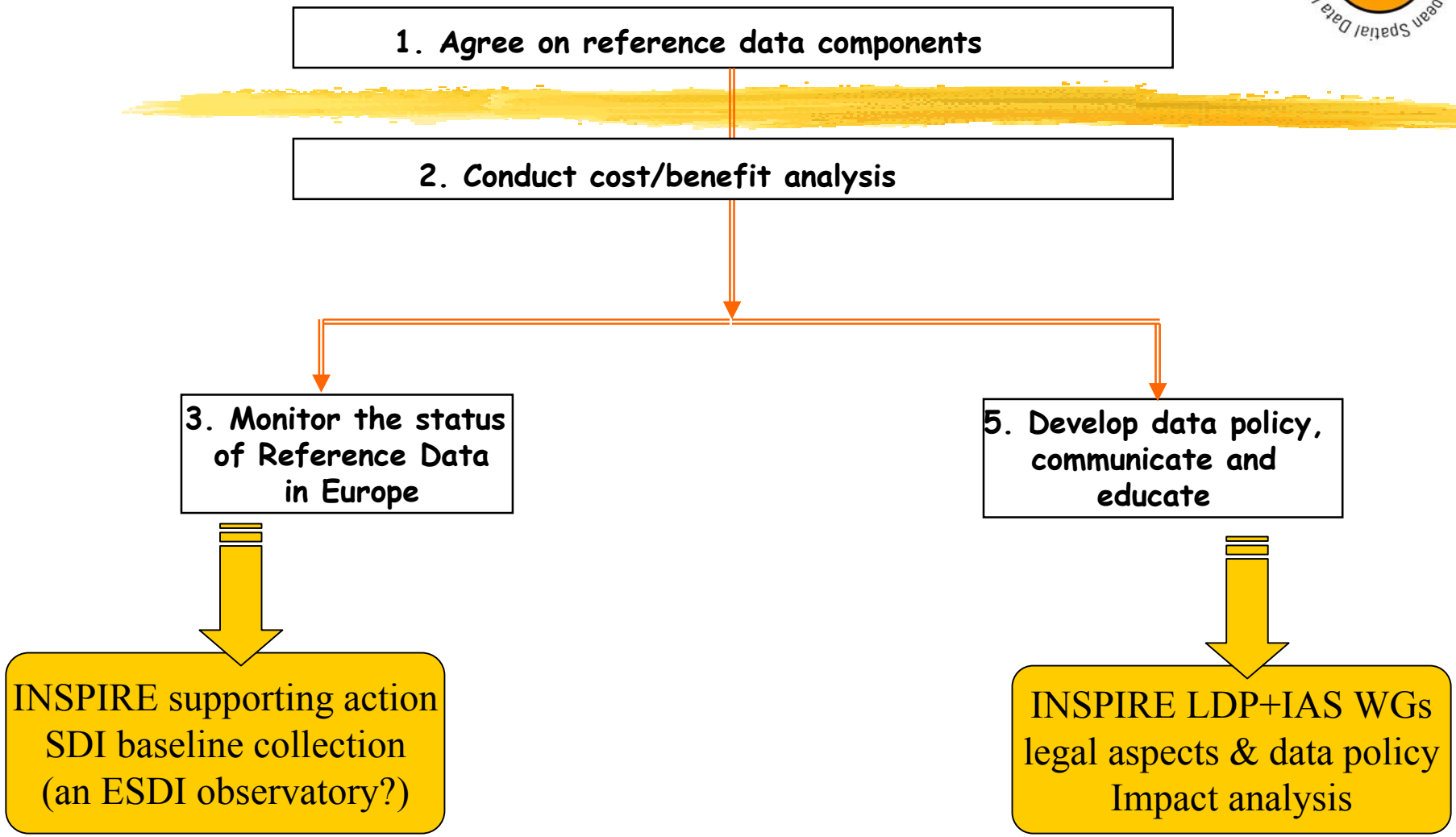
Action plan

1. Agree on reference data components

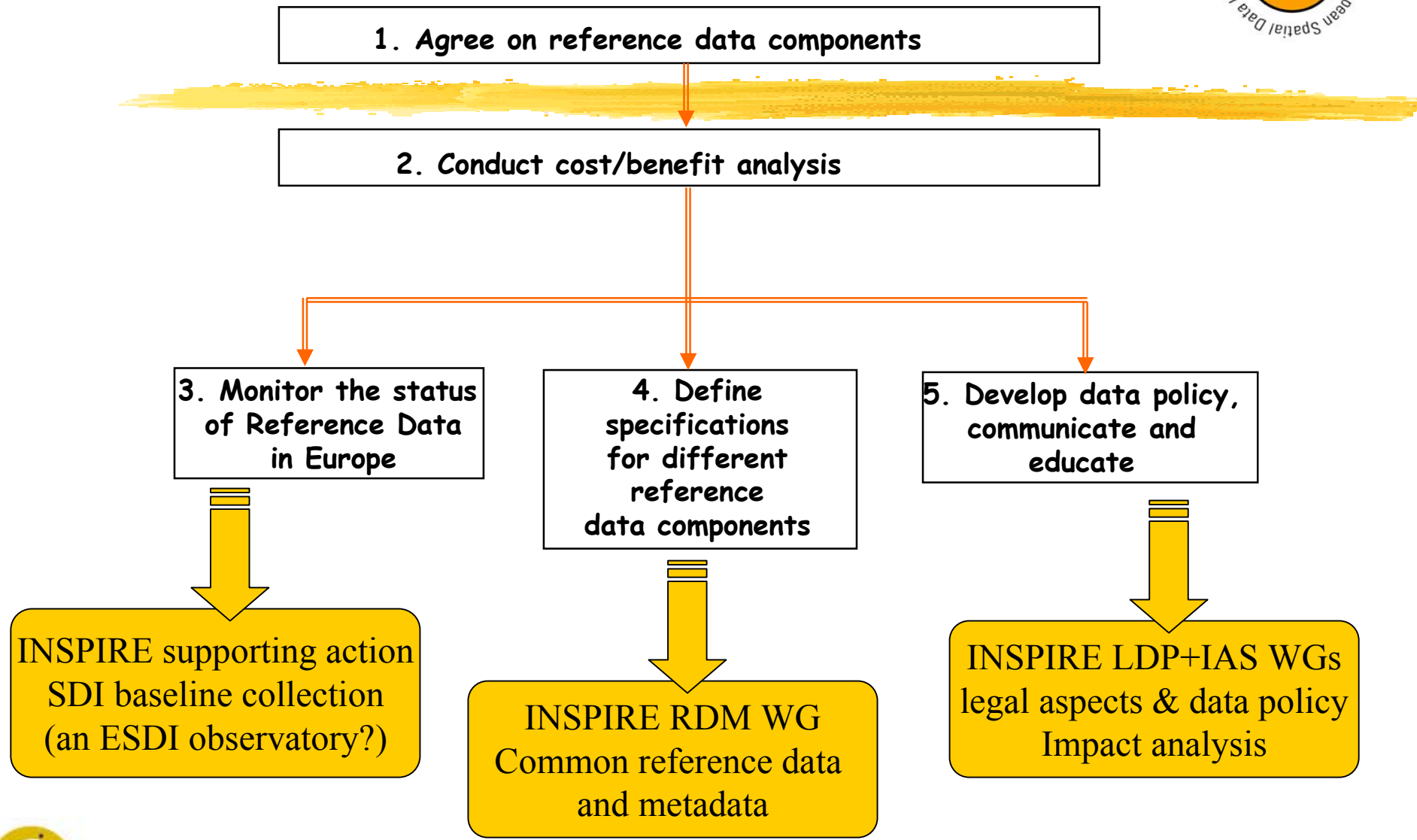
3. Monitor the status of Reference Data in Europe

INSPIRE supporting action
SDI baseline collection
(an ESDI observatory?)

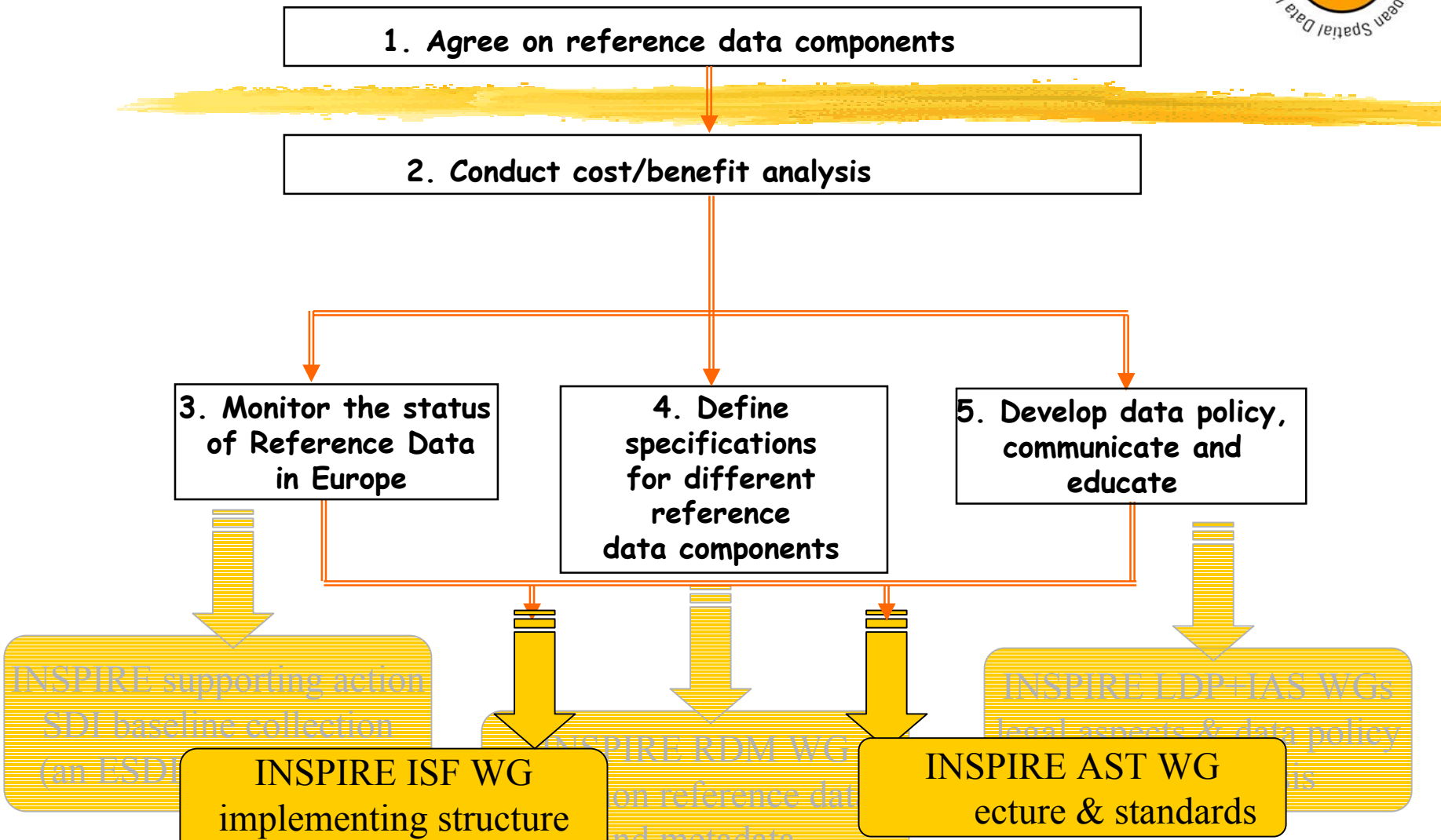
Action plan


1. Agree on reference data components
2. Conduct cost/benefit analysis
3. Monitor the status of Reference Data in Europe
5. Develop data policy, communicate and educate
INSPIRE supporting action SDI baseline collection (an ESDI observatory?)
INSPIRE LDP+IAS WGs legal aspects & data policy Impact analysis

Action plan


1. Agree on reference data components
2. Conduct cost/benefit analysis
3. Monitor the status of Reference Data in Europe
4. Define specifications for different reference data components
5. Develop data policy, communicate and educate
INSPIRE supporting action SDI baseline collection (an ESDI observatory?)
INSPIRE RDM WG Common reference data and metadata
INSPIRE LDP+IAS WGs legal aspects & data policy Impact analysis

Action plan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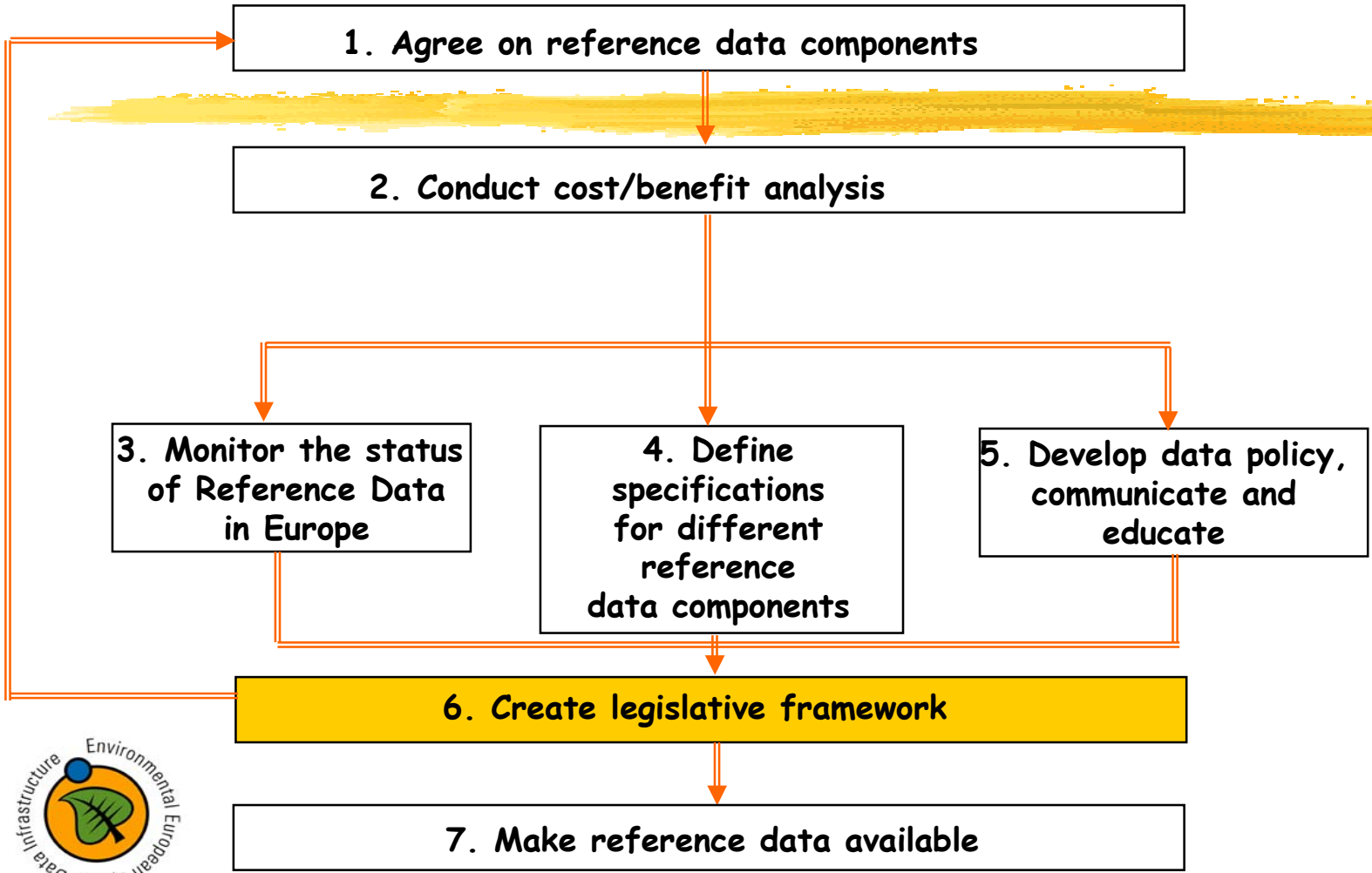
INSPIRE supporting action
SDI baseline collection
INSPIRE ISF WG
implementing structure
& funding
INSPIRE AST WG
ecture & standards

Action plan


1. Agree on reference data components
2. Conduct cost/benefit analysis
3. Monitor the status of Reference Data in Europe
4. Define specifications for different reference data components
5. Develop data policy, communicate and educate
6. Create legislative framework
7. Make reference data available
European Spatial Data Infrastructure
Environmental

Action plan :

short term (1-2 years)

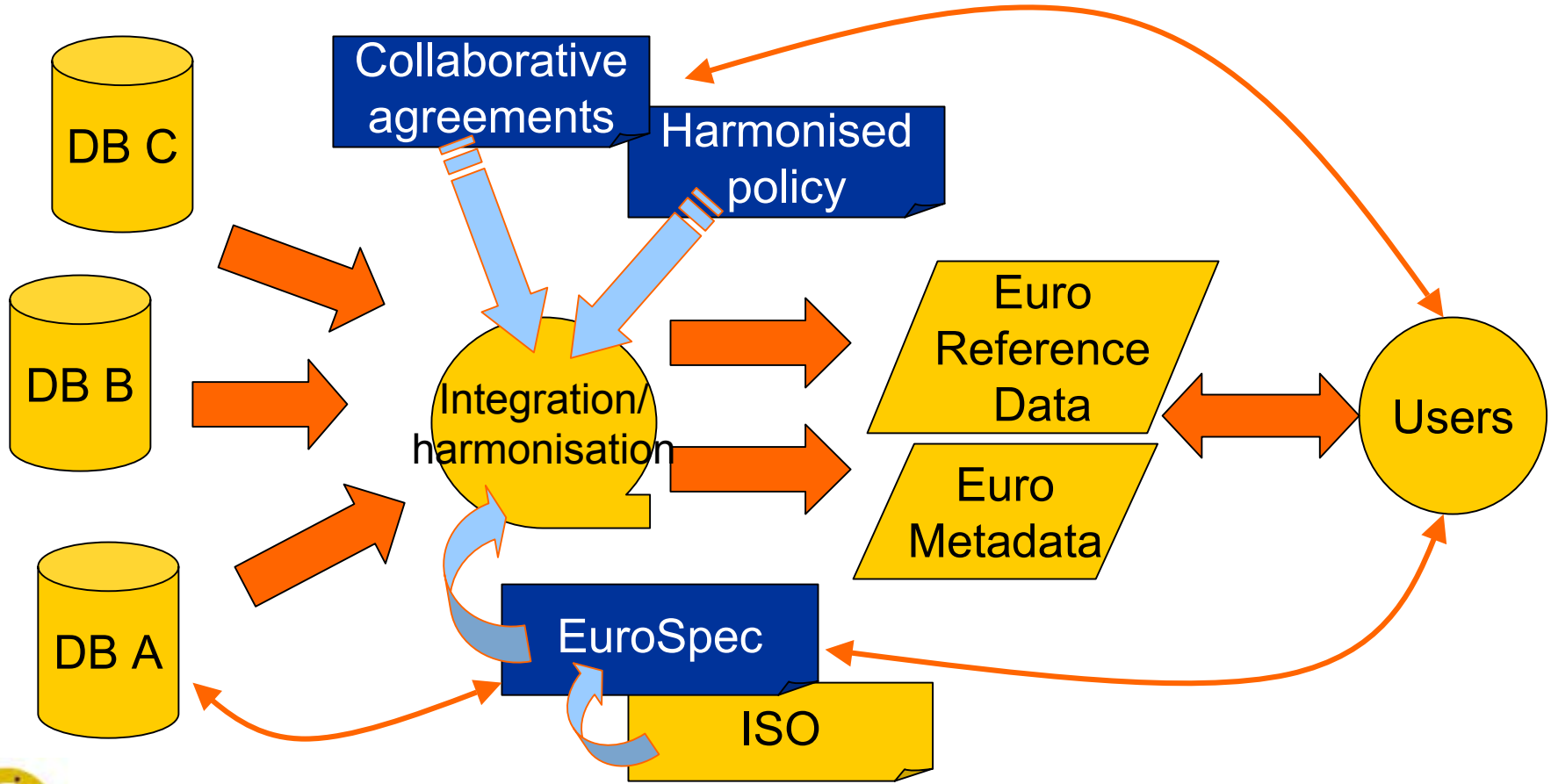
- European geodetic reference framework
- Pilot on a small number of components
- Key applications
- Monitor status of reference data
- Education
- Data policy

Action plan :

medium term (2-4 years)

- Complete technical specifications
  - In collaboration with organisations that provide reference data components
  - Based on existing specifications and international standards, extended to meet identified current or future needs
  - Inbedding relationships between components and features

an ESDI (reference data) vision?



thank you!