



Development of Guidelines –  
recommendations addressing 4 levels:

## **Level 1: Scientific Questions**

(how to identify the themes of overarching  
scientific relevance for actors in Europe)

Karel Aim

Academy of Sciences of the Czech Republic



## Selection of scientific topics (granularity)

- Broad interdisciplinary research field
- Type of facility-based research field
- Research field by standard “classification”
- By challenge (improving health, ...)



## Looking for

- Emerging new topics, breakthroughs
- New developments at the research field interfaces
- Challenges posed by industry



## Dimension specificity (added value)

- European / national / regional
  - Infrastructure needs
  - Facility needs
- (ESFRI, National roadmaps)



## Defining the limits (boundary conditions)

- Identification of the demand side
- Mandate of EUROHORCS to ESF  
(what the RFOs and RPOs do need?)
- Interaction with (EU, national) R&D policy (when?)
- Interaction with industry (when?)



## Bearing in mind

- Strategic intelligence already available
- Current trends
- European-dimension actors:  
EC (ERC, JRC – IPTS, horizon scanning)  
IIASA, ...