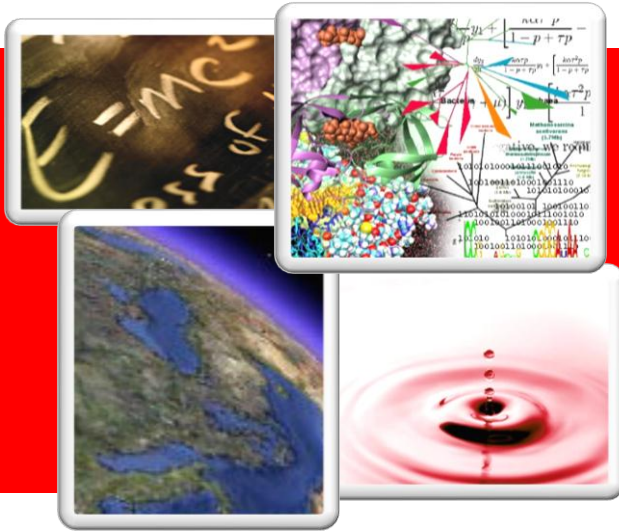


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The *overlap*: making Research & Industry work together

CRISP Workshop – “IT Requirements for next generation Research Infrastructures”
CERN, Feb 1st 2013

Monica Marinucci

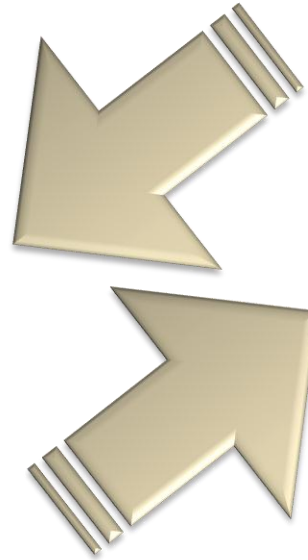
Director of Research, Global Education & Research Industry Unit

Drivers



RESEARCH

- Funding
- Policy
- Increased Impact & Visibility
- Support Scientific Endeavour
- Provide mission critical services
- Tighter Integration of ICT

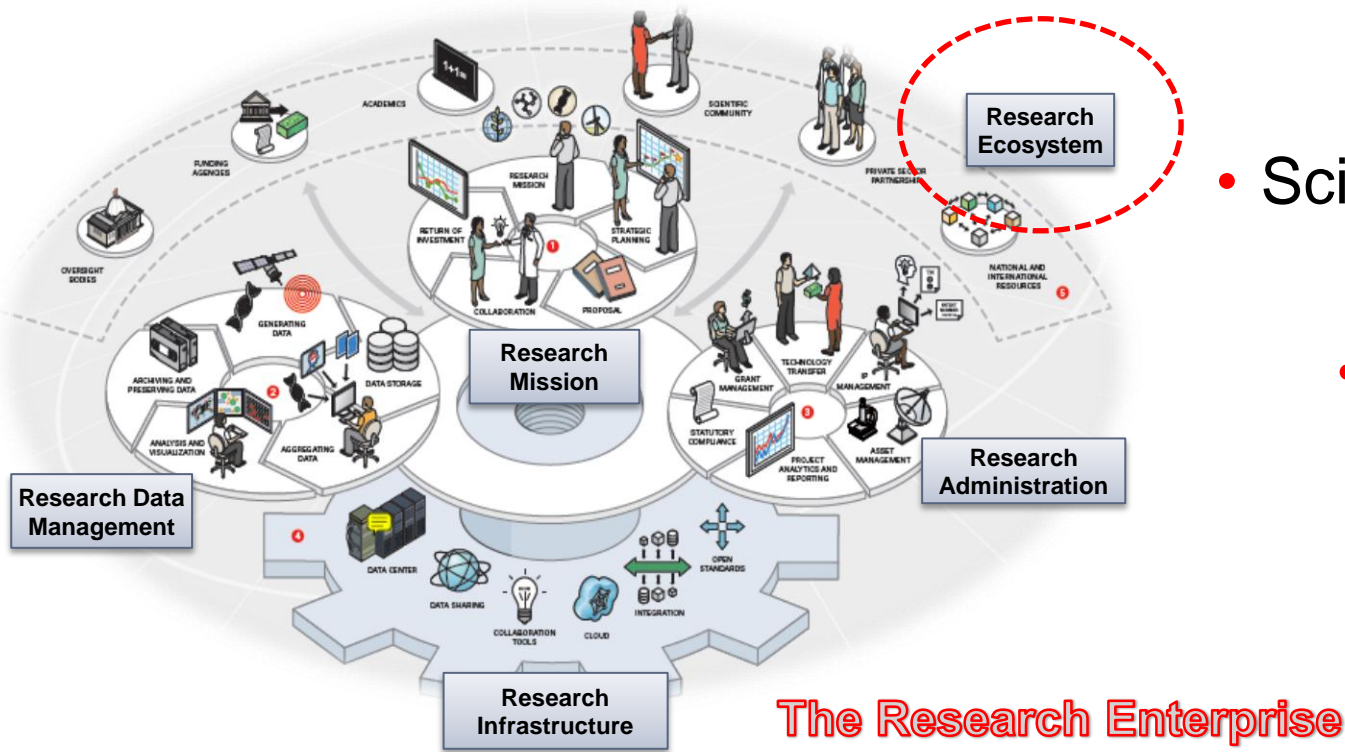


INDUSTRY

- Disruptive Ideas
- Anticipate Market Needs
 - Pushing the limits
- Competence Creation
 - References



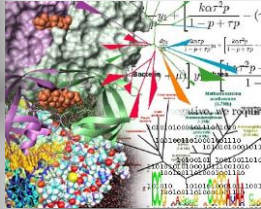
Stakeholders



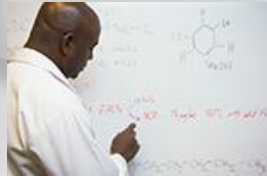
- Academics
- Scientific Community
- Public Investors
- Private Investors
- Industry
- Society

The Research Enterprise

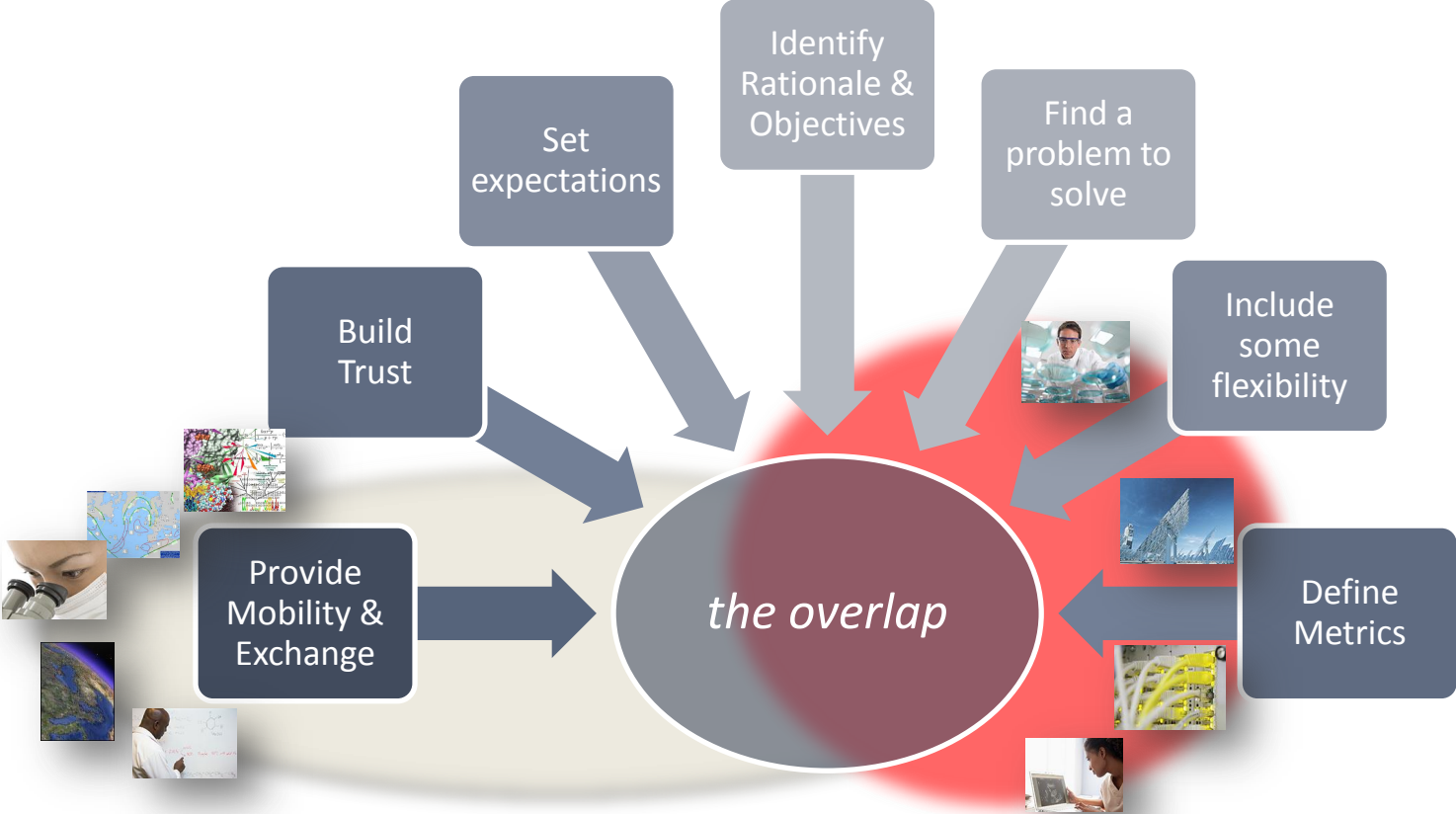
The overlap



Differentiators & Synergies



Finding the *overlap*



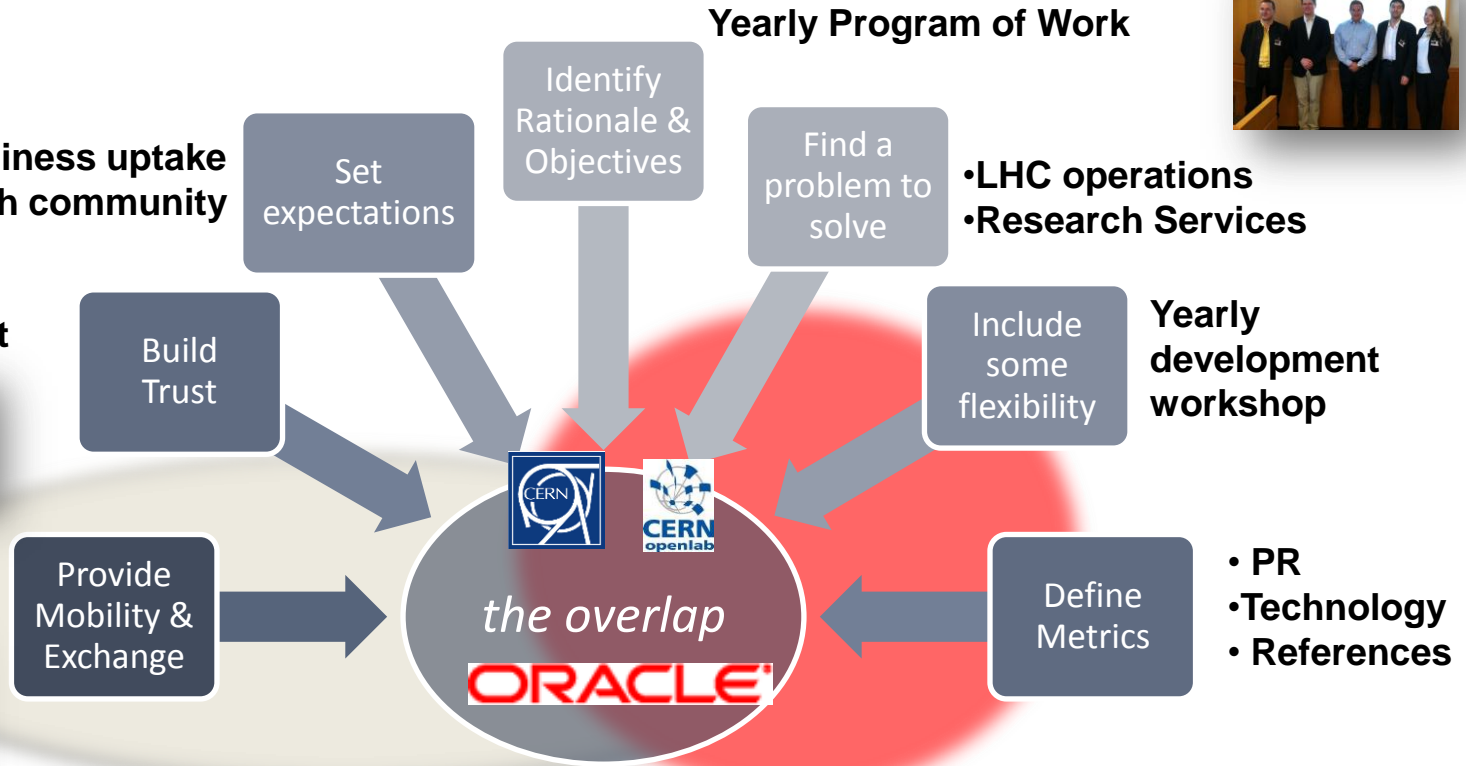
The overlap at CERN

- Wider business uptake
- Serve the Research community

1982 - present



openlab Fellows



Oracle Labs

- To look for novel approaches and methodologies
- To focus on real-world outcomes: to develop technologies that will someday play a significant role in the evolution of technology and society

- 4 main areas:
 - Exploratory research
 - Directed research
 - Consulting
 - Product incubation



Examples

Oracle Labs

Tackling Today's
Biggest Challenges



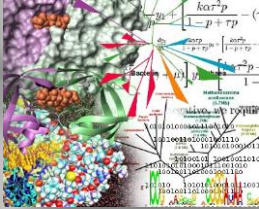
- 60+ individual collaborators across Americas, Europe, and Asia, i.e.
 - EPFL: distributed database processing
 - A few organisations: Complex feedback-loop (control) systems for HW products
 - UC Santa Cruz: implementing specific algorithms in
 - DARPA project: Oracle as principal investigator + other industrial & academic

Caveat

- Drivers
 - Recognition/Reputation
 - Revenue/Market Share
- Risk assessment
- Time
 - To experiment & publish
 - To market
- Jargon
- Governance
 - Security
 - Monitoring
 - Legal
 - IPR



Making Research & Industry work together



RESEARCH: To focus on the core of the scientific endeavor and increase impact on society & economy

INDUSTRY: To support researchers and their organisations to perform cost-effective & innovative research





Thank you!

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EDUCATION AND RESEARCH

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