Slides from
Marie Jose Montpetit
interim executive director of the SLICES-RI project

Scientific Large-scale Infrastructure
for Computing Communication
Experimental Studies
Research Infrastructure

slices RI

SLICES-RI: Research and Innovation for Digital Sciences

www.slices-ri.eu

INDIS workshop
SC25
St Louis MI, November 16, 2025

SLICES: a Unique RI for Digital Research (and Innovation)

Launched in 2017.

Entered the **ESFRI Roadmap** in 2021.

SLICES-RI supports the research community:

- **Design**, **develop** and **deploy** the next generation of Digital Services.
- **Support innovation in academia and industry.**
- **Education and HQP training.**

Enables to combine **networking, computing and storage resources** across countries, nodes and sites.

Scientific focus

- **Digital technologies and services**, networking, data collection and storage with meta data generation, cloud/edge-based distributed architectures and services, federated AI and in the future digital twins, distributed agents, quantum computing etc.
- **Data** is a major focus.
- **Reproducibility** is key.

slicesRI

SLICES is an “Internet of digital science”

26 partners from 16 European countries

slicesRI

Features

Highly visible

- Summer schools, Hackathons, Workshops etc.

Project-based

- Defined to respond to specific research challenges.

Top-down

- Defined by the community.

Distributed/shared

- Collaborating nodes and services using and combining SLICES blueprints.

Resilient

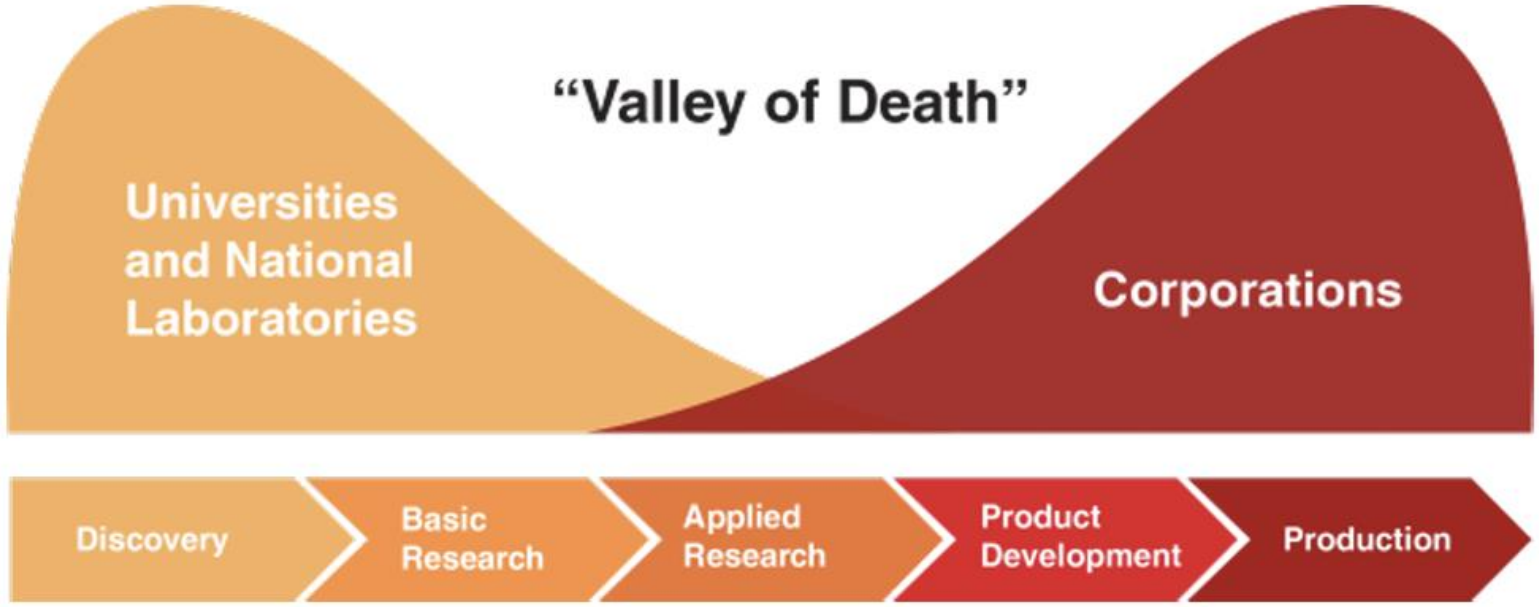
- Take advantage of latest developments and large development communities.

Compatible and scalable

- Future proof.

Bridging the Academic/Industry Gap

- SLICES want to facilitate technology transfer by **bridging the gap between academia and industry**, the so-called “Valley of Death”.
- SLICES **reproducible experimentation** enables the development of technologies and solutions that are directly applicable to industry needs, leading to faster adoption and implementation of new technologies.



slicesRI

NSF PAWR webinar (July 28, 2016)

https://www.nsf.gov/attachments/139307/public/PAWR-Webinar_v4.pdf

Conclusion

- SLICES-RI focus:
  - Advanced infrastructures and tools in digital research.
  - User communities.
  - Blueprints.
  - Data (and datasets).
  - Reproducibility.

Thank you!

slicesRI

www.slices-ri.eu