

Sigma2 Strategy 2019-

September 2018



Sigma2 strategy 2019-

VISION

To maximize the impact and return of scientific research...

KEY STRATEGIC AREAS

Provide advanced compute and data services addressing user's needs

Facilitator for international research services, cloud based resources and common components

Combine Sigma2 infrastructure with the capabilities and competencies of partner institutions to achieve excellent research services

... by providing a sustainable, predictable and cost-efficient e-infrastructure

VALUES

Customer focus

Corporate social responsibility

Openness

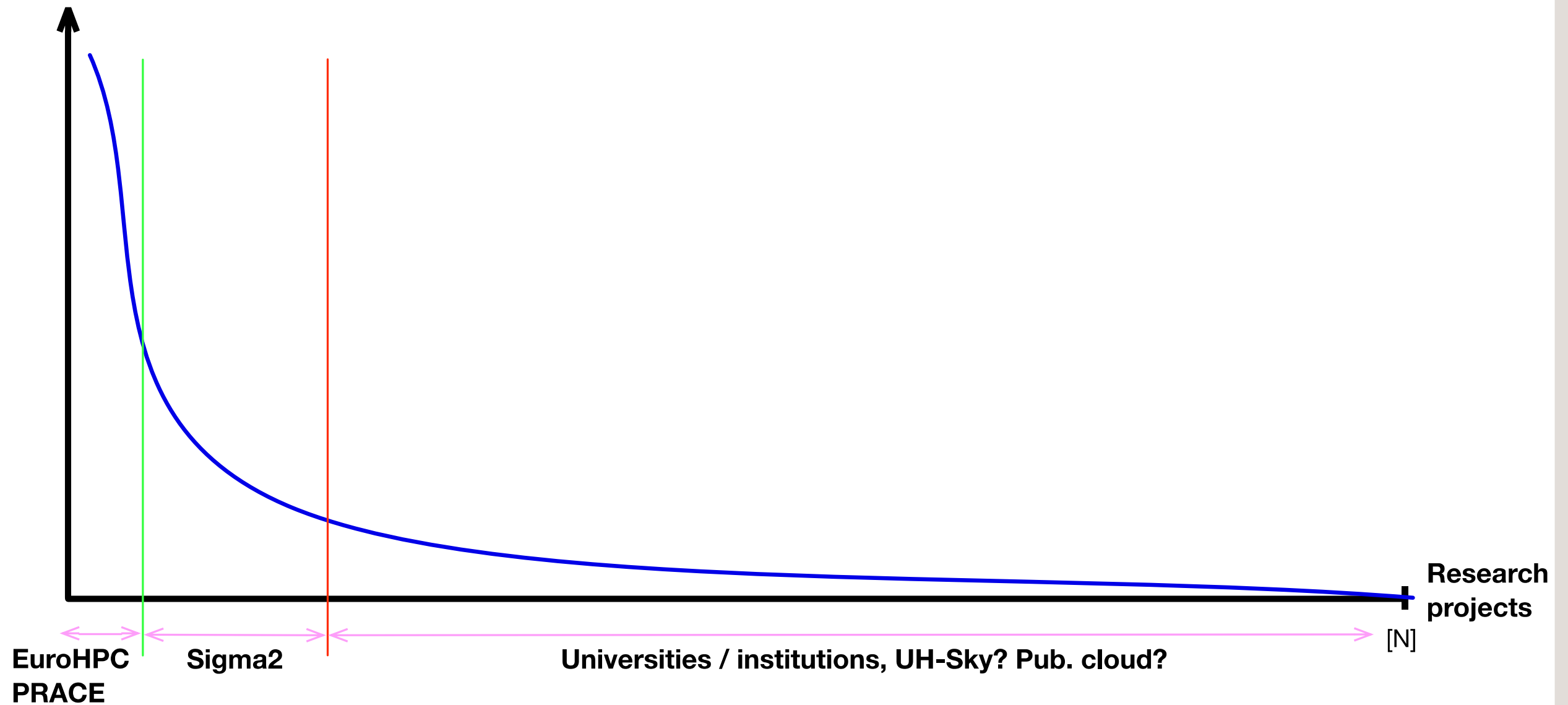
UNINETT

sigma2

Who provides what?

Needs

(storage, CPU, complexity, specific)



UNINETT

sigma2

Sigma2 strategy 2019-

VISION

To maximize the impact and return of scientific research by providing a sustainable, predictable and cost-efficient e-infrastructure

KEY STRATEGIC AREAS

Provide advanced compute and data services addressing user's needs

Facilitator for international research services, cloud based resources and common components

Combine Sigma2 infrastructure with the capabilities and competencies of partner institutions to achieve excellent research services

To maximize the impact and return of scientific research
by providing a sustainable, predictable and cost-efficient e-infrastructure

Provide advanced compute and
data services addressing user's
needs

Facilitator for international
research services, cloud based
resources and common
components

Combine Sigma2 infrastructure
with the capabilities and
competencies of partner
institutions to achieve cost-
efficient research services

- Addressing user's needs and the interests of partners with strategic procurements
- Operate and develop a critical national e-infrastructure offering
 - Compute services
 - Data services (storage & data-management)
 - Advanced User Support
 - Training
 - Support services
- Be user driven by being near users and survey needs
- Be a strategic partner to the universities
- Bring in new and proven technologies into the e-infrastructure to enable wider use

To maximize the impact and return of scientific research by providing a sustainable, predictable and cost-efficient e-infrastructure

Provide advanced compute and data services addressing user's needs

Facilitator for international research services, cloud based resources and common components

Combine Sigma2 e-infrastructure with the capabilities and competencies of partner institutions to achieve cost-efficient research services

- Lead and coordinate participation in international co-operation for e-infrastructure
- Enable access to special/extra resources and building of own competencies through participation in international e-infrastructures. Foster Open Science and international research collaborations through participation in Nordic and European initiatives with a priority on the Nordics
- Ensure services follow FAIR principles
- Provide researchers with an easy access to cloud based services and tools
- Integration of the e-infrastructure with other cloud services, both commercial and sector internal, to enable a hybrid and elastic infrastructure

To maximize the impact and return of scientific research
by providing a sustainable, predictable and cost-efficient e-infrastructure

Provide advanced compute and
data services addressing user's
needs

Facilitator for international
research services, cloud based
resources and common
components

Combine Sigma2 infrastructure
with the capabilities and
competencies of partner
institutions to achieve cost-
efficient research services

- Centralize infrastructure and free up resources from operations to lower costs and expand high level support
- Leverage the distributed nature of the Metacenter to be near researchers
- Combine technical expertise and understanding of the research process and research data cycle to create relevant and high quality e-infrastructure
- Offer underlying storage infrastructure for strategic research data services
- Contribute compute resources and storage for research-near public sector
- Be an active player in the HE&R and research-near public sector facilitating partnerships and collaboration to the benefit of researchers and the partner institutions
- Service deliveries in close cooperation with partner institutions

VISION

To maximize the impact and return of scientific research by providing a sustainable, predictable and cost-efficient e-infrastructure

STRATEGY

Provide advanced compute and data services addressing user's needs

Facilitator for international research services, cloud based resources and common components

Combine Sigma2 infrastructure with the capabilities and competencies of partner institutions to achieve cost-efficient research services

HOW

- Procure, operate and develop a critical national e-infrastructure
- Be a strategic partner to the universities
 - Compute services
 - Data services
 - Advanced User Support
 - Training
 - Support services

- Lead and coordinate participation in international co-operation for e-infrastructure
- Enable access to special/extra resources in the EU
- Provide researchers with an easy access to cloud services
- Integration of the NIRD Service Platform with other cloud services

- Centralize infrastructure to lower costs and free up resources
- Leverage the competencies and distributed nature of the Metacenter
- Be an active player to the advantage of researchers and the partner institutions
- Service deliveries in close cooperation with partner institutions

SUCCESS FACTORS

- Adequate funding
- Right competencies
- Active user participation
- Leadership involvement

- Availability of resources
- Govt. participation and policies
- Research access to public data

- Metacenter co-ownership and participation
- Shifting weight from hardware to services and support