

# Centre of Excellence in Physics at Extreme Scales

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# Status

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- participating communities

## **Users**

Lattice field theory  
Cosmology  
LHC  
SKA

+

## **Providers**

Computer science  
Computing industry  
HPC centres

- agreed for Phase 1
  - new communities may join in Phase 2
- Call opens on 24 Sep: 4-5M€
  - our proposal should be for 2 years

# Key questions

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- **What unites us? ... users, industry, HPC centres?**
  - our science is limited by computing technologies
  - our codes are a useful test-bed for new technologies
  - co-design methodology ...*energy-efficient data movement*
- **What will sustain us?**
  - EC offers Phase 2, but requires a sustainable plan
  - align (existing) national funding + industry in-kind + computer time
- **What is our organisation and leadership?**
  - allocation of resources and responsibilities
  - WP coordinators, steering committee, consultant