SLING Days

NCC Netherlands: Interaction with Industries

Clícia Pinto (NCC NL Deputy Manager)

3-5 December 2024

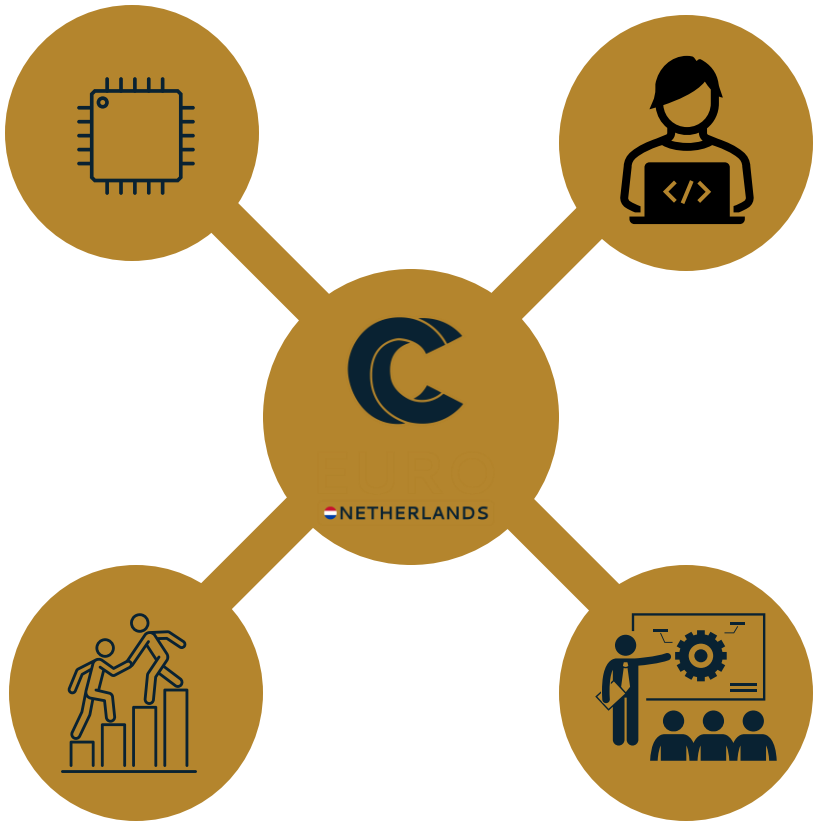
NCC Netherlands: Services

Access to HPC Facilities

We help you within a assessment of the computational needs for your institution or company.

Basic Support

Individual guidance, assessment of potential applications and technological routes, identification of suitable providers, basic support with high performance visualization, and advices on application for national or European open calls



Specialised consultancy

Software deployment indifferent HPC architectures, parallelization and distribution, code optimization, performance analysis, and assistance with software and hardware technology transfer

Training

Courses and events for different knowledge levels on subjects of HPC,AI, HPDA, Quantum and many other advanced computing topics.

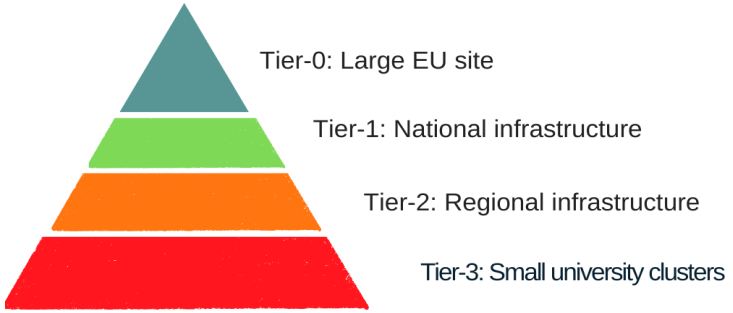
EURO NETHERLANDS

NCC Netherlands: Services

- Start package:
  - **8 consultancy hours**
    - + Business consultancy
  - **50,000 core hours on Dutch national Tier-1 HPC facilities**
    - in-kind contribution by SURF
  - **Access to the Dutch national cloud facilities**
    - in-kind contribution by SURF

EURO NETHERLANDS

NCC Netherlands: SURF and National Network



national network
and
(sustainability) key players

Expertise Pool:

- High-Performance Computing
- High-Performance Machine Learning
- High-performance visualization
- Data preservation
- Data management
- Cloud for Research
- System administration
- Trust and Identity

EURO NETHERLANDS

Customer Journey

Step 1

Pre-Scan Assessment
- Skills Scan : Tech Stack &
- Proj. MGMT Skills
- (Optional) Report HPC4SME
- Confirmation email
- Next steps

Step 2

Fit/Exploration Interview:
- Problem statement/ Use Case / Workshop ?
- Data classification (Sensitive etc.)
- SURF Way of Working
- Project Assets List Assesment/ Preparation

Step 3

Proof-of-concept Proposal
- SURF Usage Agreement: Data Privacy
- Onboarding/Offboarding
- Approval for Public Communications
- Collab for White Papers & Scientific Articles/
- Conferences/ Publication

Step 4

Kick-off Meeting:
- Onboarding
- Goal setting
- Meet the team
- Training AI/HPC
- Access HPC platform
- Weekly check-ins

Step 5

Mid-term check-in:
- Challenges
- Help
- GO/NOGO

Step 6

End-of-Project:
- Presentation
- Achievements
- Challenges
- Lessons learned
- Next steps

Step 7

Community onboarding:
- Access to HPC network
- Events
- Stay in touch!

Week 0 | Week 1 | Week 2 | Week 3-5 | Week 20 | Week 40 | Week 50

EURO NETHERLANDS

NCC Netherlands Proof-of-Concepts: Do's

- Open call for applications
  - Single point of entry for proof of concepts
- Automated processes
  - minimize manual effort (ex. self-booking for intake meetings)
- Demonstrating value proposition
  - Business impact > Computational/scientific impact
  - "Test before invest" approach
  - Emphasizing sustainability and cost-effectiveness
  - Building credibility and trust
- Defining the proof of concept in the very first meeting
  - Setting clear expectations in the initial meeting to ensure mutual understanding and alignment

NCC Netherlands Proof-of-Concepts in Numbers
(Jan 2023 – Sep 2024)

- Grant agreements established: 19 SMEs
- Consultancy hours granted: 304 hours
- Computing hours granted: 950,000 SBUs

EURO NETHERLANDS

NCC NL

Clícia Pinto

HPC Advisor
NCC NL Deputy Manager
Interaction with Industry

Our Team:

Carlos Teijeiro Barjas
HPC Advisor
NCC NL Manager
Training Development

Xavier Farré
HPC Advisor
Training Coordinator

Monica Rotulo
High-Performance Machine Learning Advisor

Erik Kentie
Business Development Manager

Andreea Moga
Customer Succes Lead & AI Coach

Danique Aaftink
Marketing Communications

EURO NETHERLANDS

Thank you

REPUBLIC OF SLOVENIA
MINISTRY OF HIGHER EDUCATION, SCIENCE AND INNOVATION

This project has received funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 101101903. The JU receives support from the Digital Europe Programme and Germany, Bulgaria, Austria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Greece, Hungary, Ireland, Italy, Lithuania, Latvia, Poland, Portugal, Romania, Slovenia, Spain, Sweden, France, Netherlands, Belgium, Luxembourg, Slovakia, Norway, Türkiye, Republic of North Macedonia, Iceland, Montenegro, Serbia.