

S SLINGOM do inovacij: HPC4SME AAT in razvoj "Proof-of-Concept"

Tina Črnigoj Marc, Arctur d.o.o.

Why HPC for business?

- **Accelerated Innovation**: Faster simulations and analyses speed up product development.
- Cost Efficiency: Reduces the need for physical prototypes and testing.
 Saving personnel, materials, and production costs.
- Data-Driven Decisions: Enables advanced analytics for better business insights.
- Optimized Processes: Improves efficiency in manufacturing and operations.
- Competitive Edge: Enhances capabilities in AI, big data, and simulations.
- Scalability: Handles increasing workloads as businesses grow.
- **Risk Reduction**: Models scenarios to identify potential issues before implementation.
- Sustainability: Improves energy efficiency and supports green initiatives.
- Personalization: Supports customized solutions in industries like healthcare and
 retail
 ob: december 2024

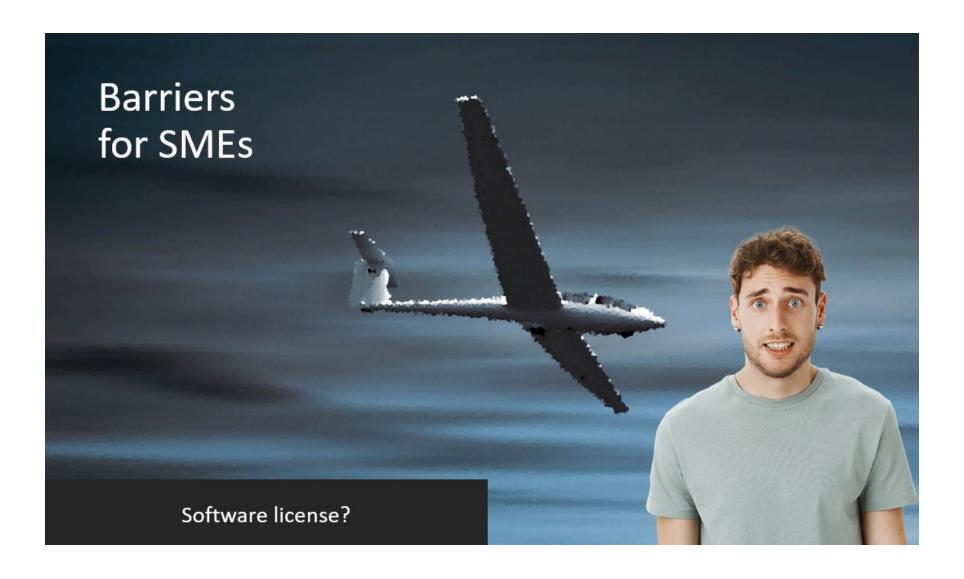


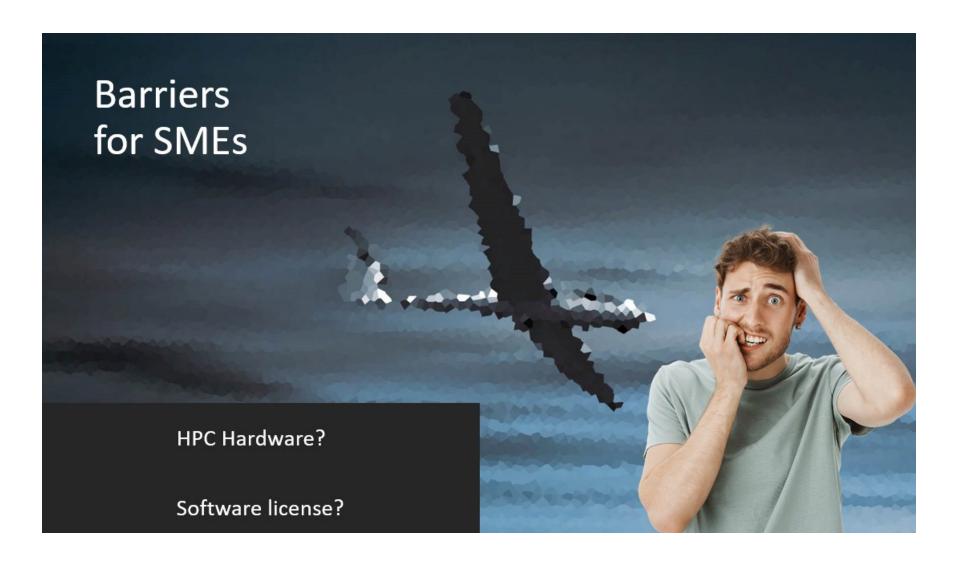
Source: FF4EuroHpc

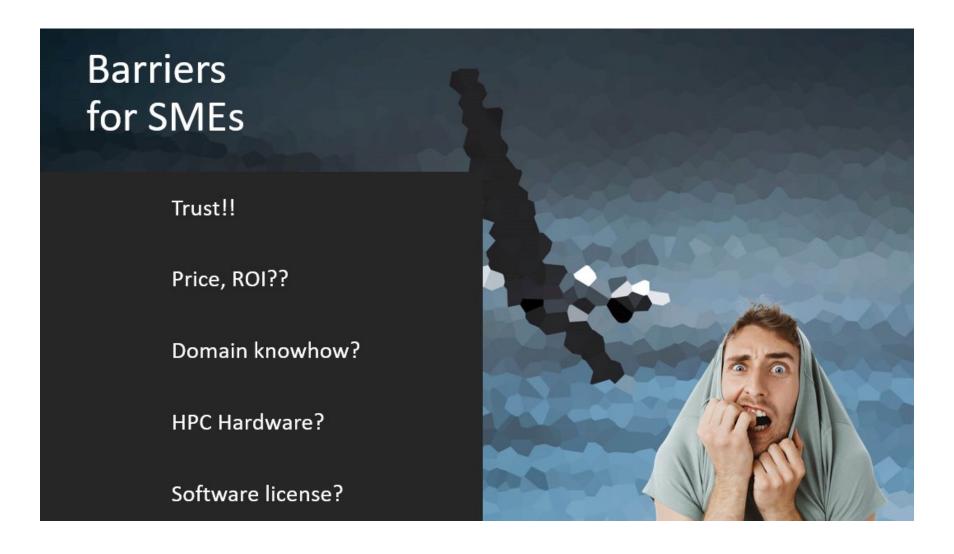
• Callaboration, Facilitates alabal research and innovation northerships

HPC it is! But ...









Overcome barriers with the NCCs!

Partner with NCCs:

- 33 NCCs in EU
- NCC SLING SLOVENIA



Why HPC4SME AAT?

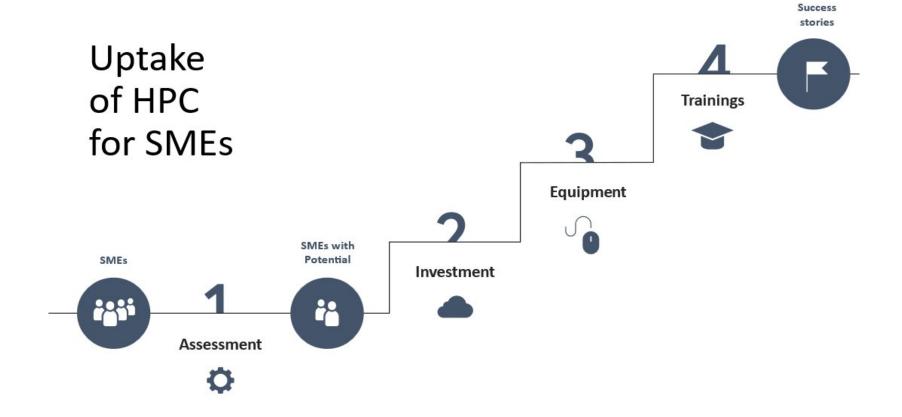
SMEs

- Discover IF and HOW the organisation can benefit from supercomputing services
- Get support & services from NCCs, get funding opportunities, and access to HPC

- HPC4SME AAT Questionnaire focuses on three main topics:
- 1. Readiness
- 2. Cloud
- 3. HPC
- Questionnaire: 30 minutes
- SME receives a valuable report with recommendations
- SME receives support from NCC SLING

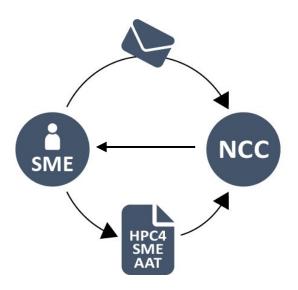


Let the journey begin!

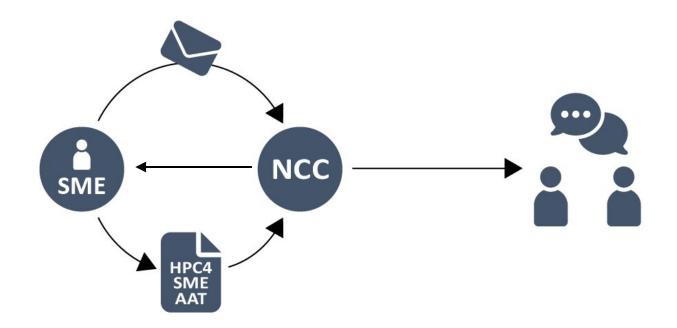


Approaching:

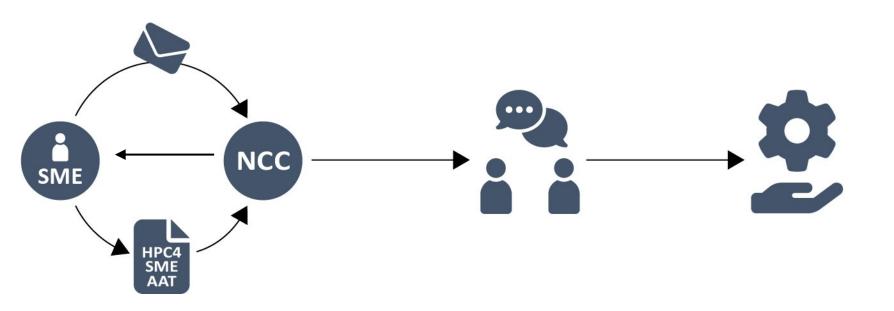
- a) SMEs contact NCC
- b) b) SME submits HPC4SME AAT questionnaire
- c) NCC contacts SMEs



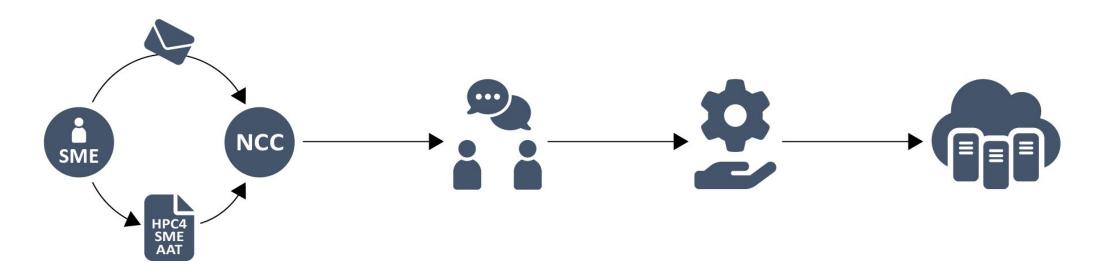
2. Arranging first meeting 1-on-1: SME goals, needs, challenges



3. Readiness & needs: discussing NCC support

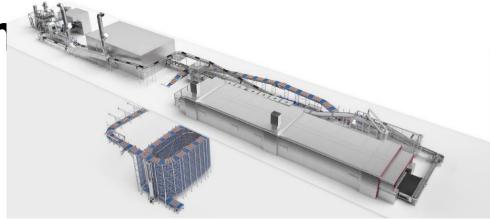


4. Support providing: training, consulting, HPC infrastructure access, PoC development, funding and tender information providing, supporting proposals for Open Calls (e.g., FFplus), and connecting with supporting organizations and partners

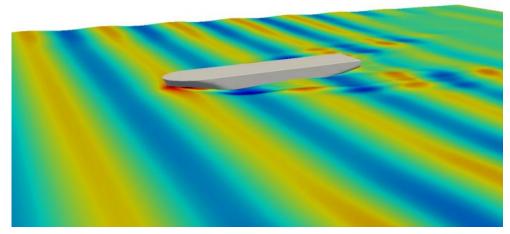


Industrial PoCs developmen

- Definition of Customer needs
- Goal & timelines settings
- Idea development & implementation
- PoC development (test before invest, new knowhow) © Goal: success story, lessons learnt, promotion
- Open Calls support: further development and connecting with supporting organisations (e.g.,



Gostol GOPAN Rendering job preparation for multiple GPUs in an HPC cluster



Insilico: Revolutionizing Maritime Design: HPC-Driven Hull Optimization for Superior Wave Dynamics

FFplus: Driving SMEs innovation

FFplus project (Fortissimo)

The second Open Call will be launched in the Summer of 2025!

Business Experiments (HPC&AI) € max funding per proposal is €200,000, running max 15 months.

Innovation Studies (LLM) € max funding per proposal is €300,000, running max 10 months.

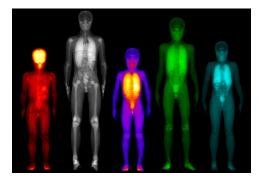
More: www.ffplus-project.eu & FFplus LinkedIn & YouTube



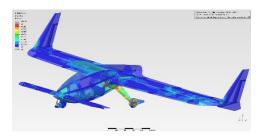
Within the Fortissimo projects (2013-2023), **121 success stories** were produced in collaboration with **310 partners** from European countries.













Unlock the innovation with NCC SLING!

Contact: <u>eurocc@sling.si</u>

• Visit: www.sling.si

• Find updates: Linkedin @EUROCC_SLING

