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Innovation in business: HPC as an opportunity for SMEs

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Support to Industry – SME readiness

- More than **2 million SMEs in the EU**

- **SMEs** ☾ are you ready to use HPC & AI?

- **NCCs** ☾ **reach out to SMEs** and **support them**

- Understanding the needs and competences

- Make a selection of those who have potential

Support to Industry – NCC readiness

- Understand the specifics

- Have a clear and understandable communication (suitable technical language)

- Clear rules defined (limitations, access policies, support experts,..)

- Success stories to showcase HPC and related technologies

- Website to provide clear information on one place
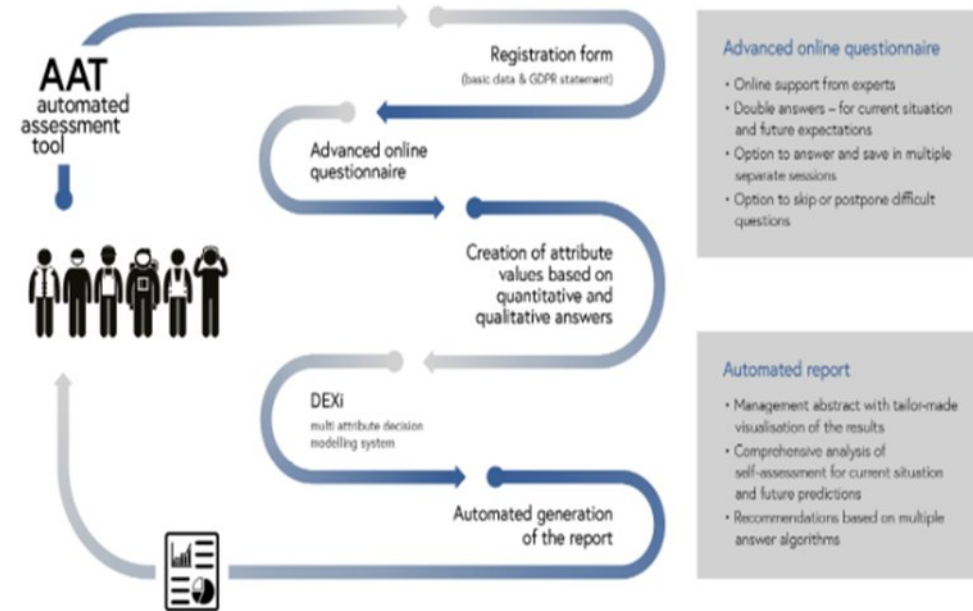
How NCC Slovenia supports industry?

1. Industry approach NCC directly
   The company fills in HPC4SME AAT questionnaire

2. Arranging first meeting ☾ company 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

Collaboration starts with HPC4SME

- Is an SME ready? Use hpc4sme tool!

- Register and fill the questionnaire, help when needed

- Validate the results and follow recommendations

- Not ready? Trainings and workshops

- Ready?

  - Infrastructure access and support
  - Collaboration on national and international projects
  - Make new success stories for new SMEs
  - Commercial cases

There are **4 steps** to complete the Assessment Process. You have already done 3 of 4:

Step 1 – Simple registration
Step 2 - Fill the Questionnaire
Step 3 - Receive the Results
Step 4 - **Follow the Recommendations**

Collaboration starts with HPC4SME

The tool is for NCCs and SMEs

- Potential/demand/needs/readiness insights

- Answers to relevant questions are provided before conducting a technical meeting

- Recommendations and readiness is analysed by the tool – easy selection

HPC4SME AAT Task Force

33 NCCs participating in EuroCC2

25 NCCs are already included in the HPC4SME AAT

Tool available in **18** languages

Barriers for SMEs

Trust!!

Price, ROI??

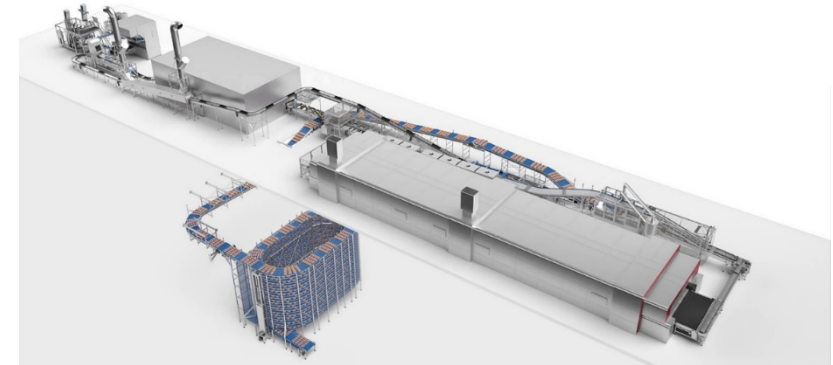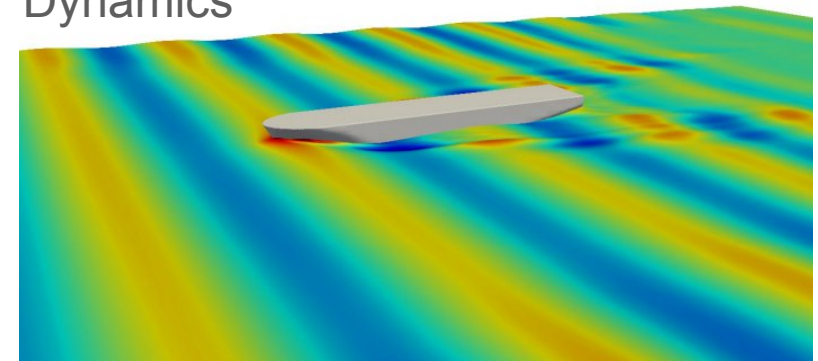Domain knowhow?

HPC Hardware?

Software license?

Towards Innovation – PoCs development

- **Insilico & Gostol GOPAN**
  à Analysis
  à Consulting
  à HPC infrastructure access
  à PoC development
  ☾ Open Calls support: idea development and connecting with supporting organisations (e.g., FFplus)
  ☾ Creating success stories

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

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

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