



HPC in Cloud

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Bled, 24th of October 2012.



About Arctur

- 25 + 9 employees (as 1st January 2012)
- Income >1,4 M€
- R&D Department (8 researchers & 5 PhD students, inovations, patents)
- 4PM (Project Management Software – 12.000 users, 5 languages, awards)
- High Performance & Cloud Computing



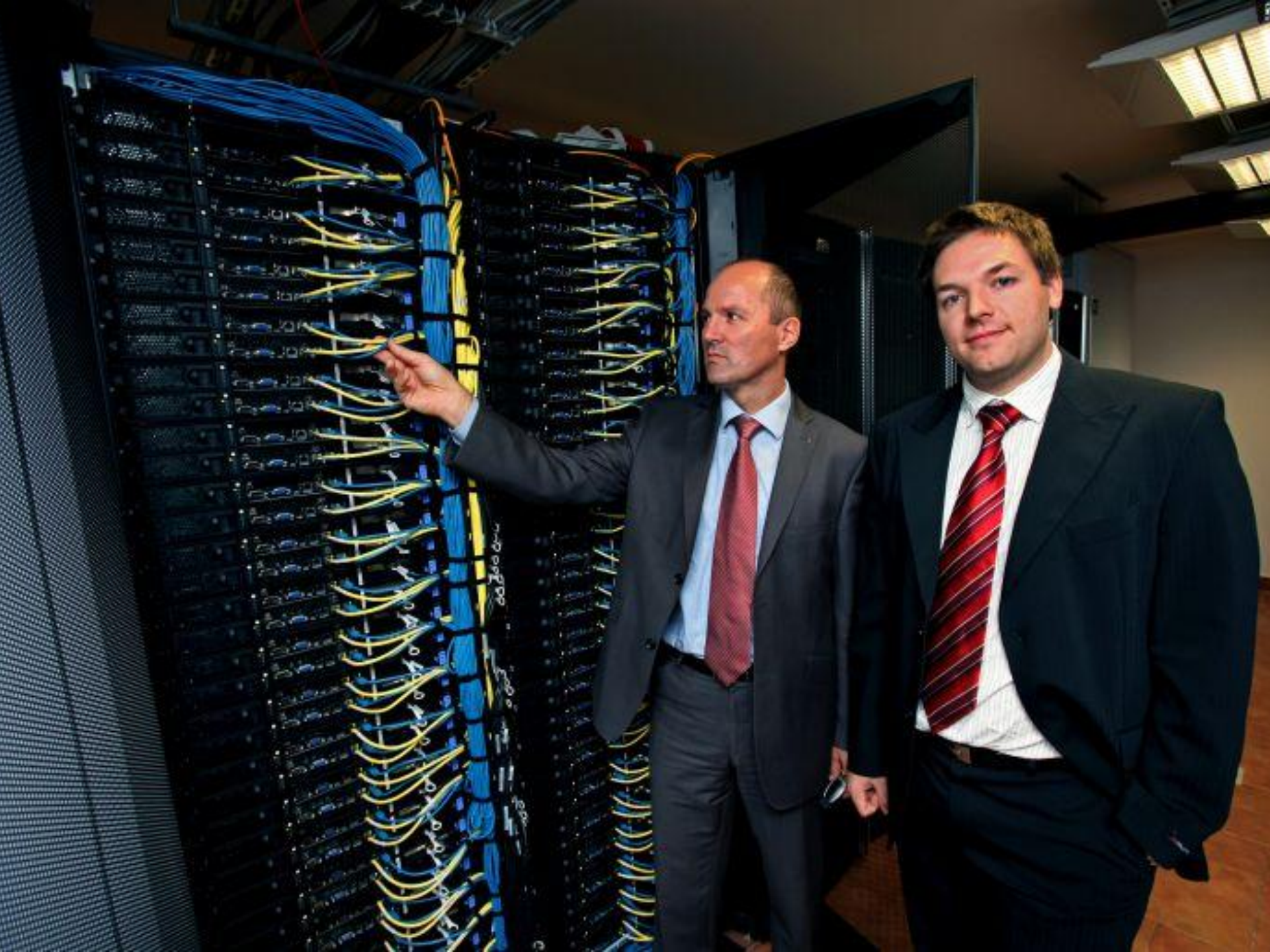








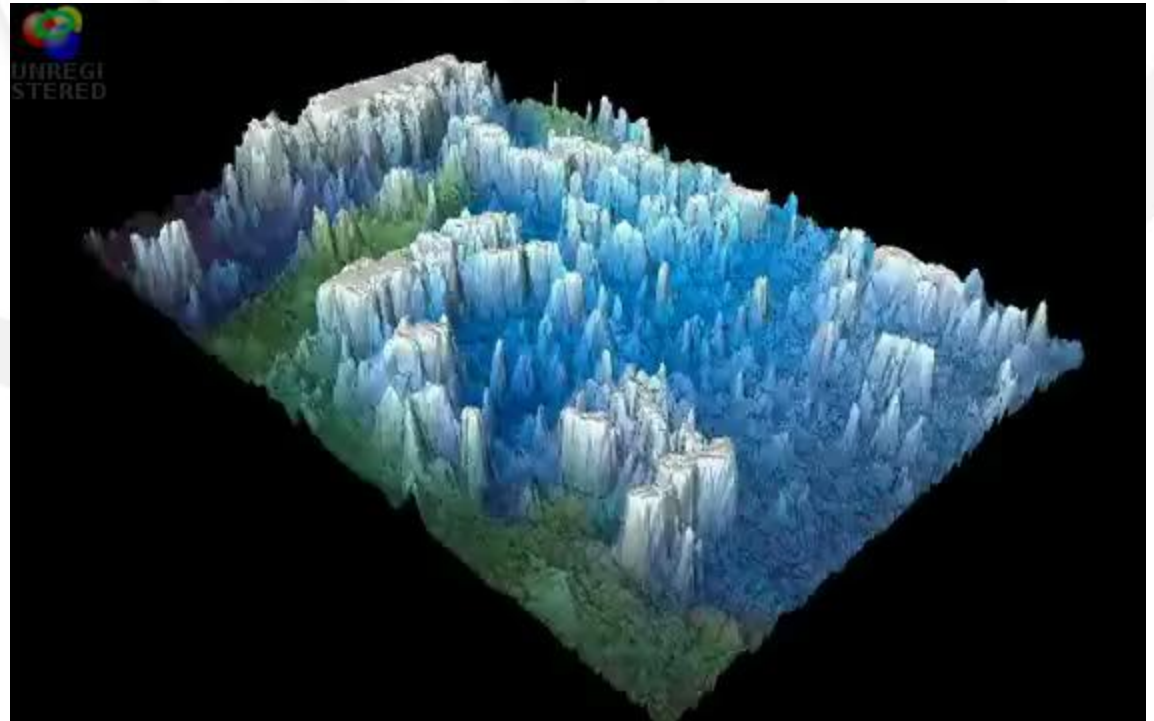
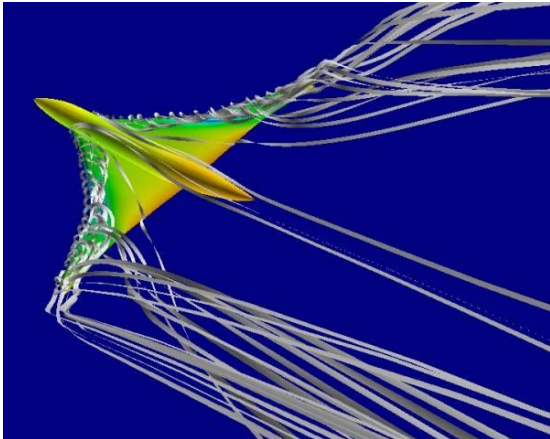
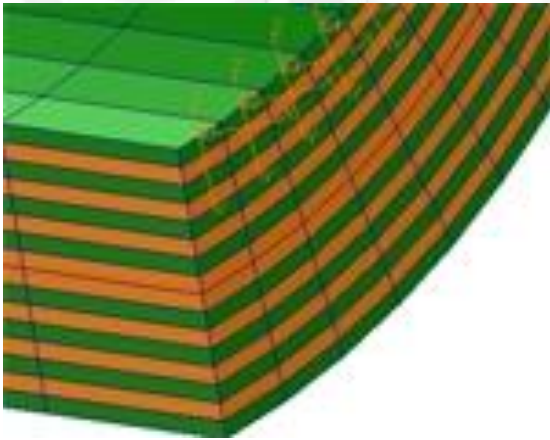


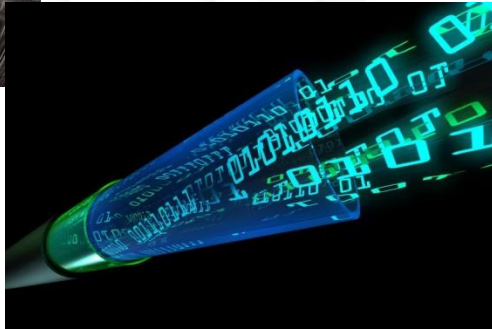




Numerical Simulations

new (composite) materials, airflow, fluid dynamics, weather prediction, advanced statistics, finances, etc.





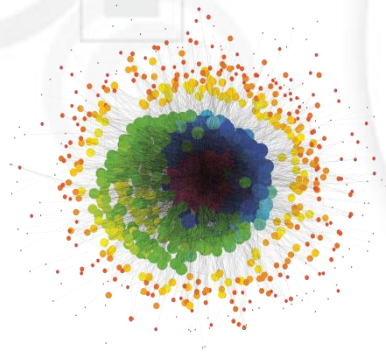
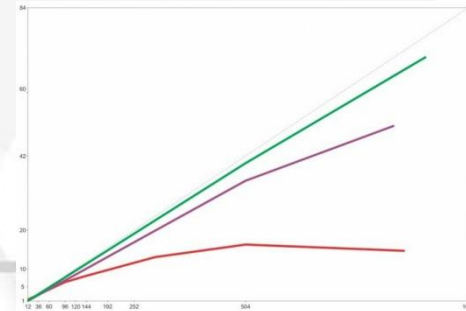
🕒 Infrastructure

⌚ HPC
⌚ Hardware & Software

⌚ Cloud Infrastructure

⌚ Data Centers

⌚ Connectivity
⌚ Fiber-Optic Network



⌚ Competences

⌚ Parallellization & code optimization

⌚ HPC Configuration & Deployment

⌚ Performance & Scalability Benchmarking

⌚ Mathematical modeling and advanced statistics

⌚ HPC and Cloud Software Development

⌚ Networking and Related Services

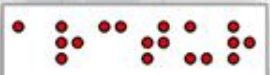
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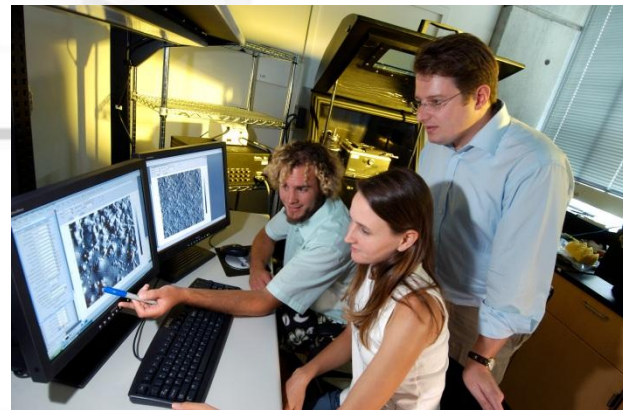
⌚ Cloud Infrastructure

⌚ Data Centers

⌚ Connectivity
⌚ Fiber-Optic Network



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🕒 HPC⁵

🕒 HPC⁵ Centre

🕒 Competence Centres

🕒 Business Incubator

🕒 Competences

🕒 Parallelization & code optimization

🕒 HPC Configuration & Deployment

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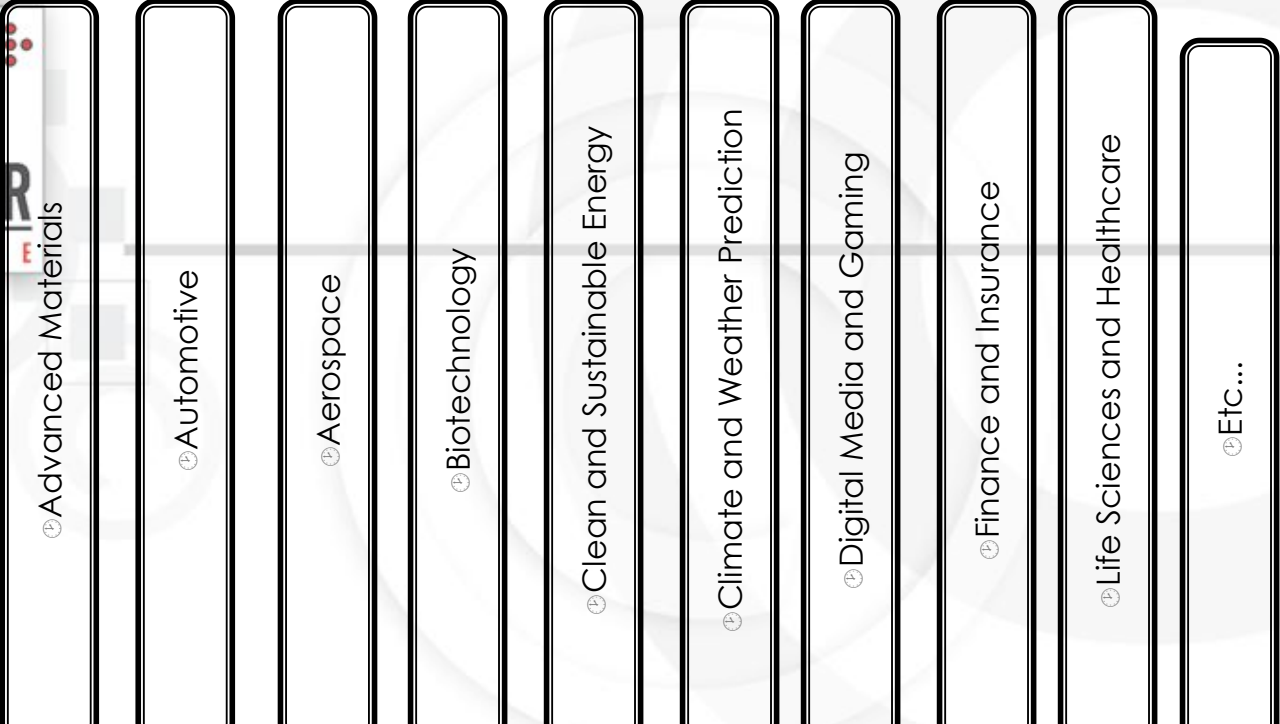
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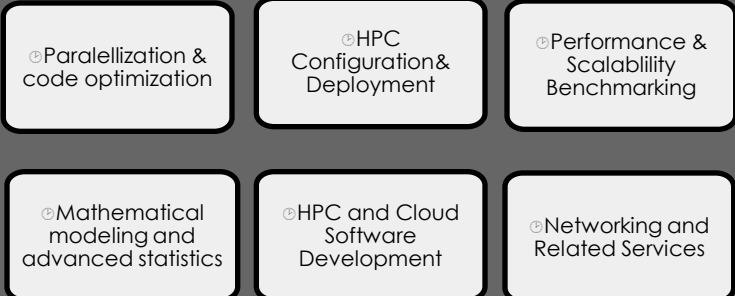
HPC⁵

HPC⁵ Centre

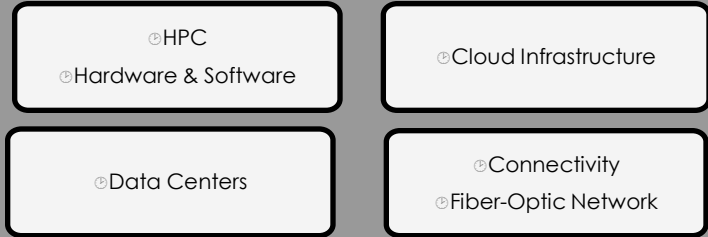
Competence Centres

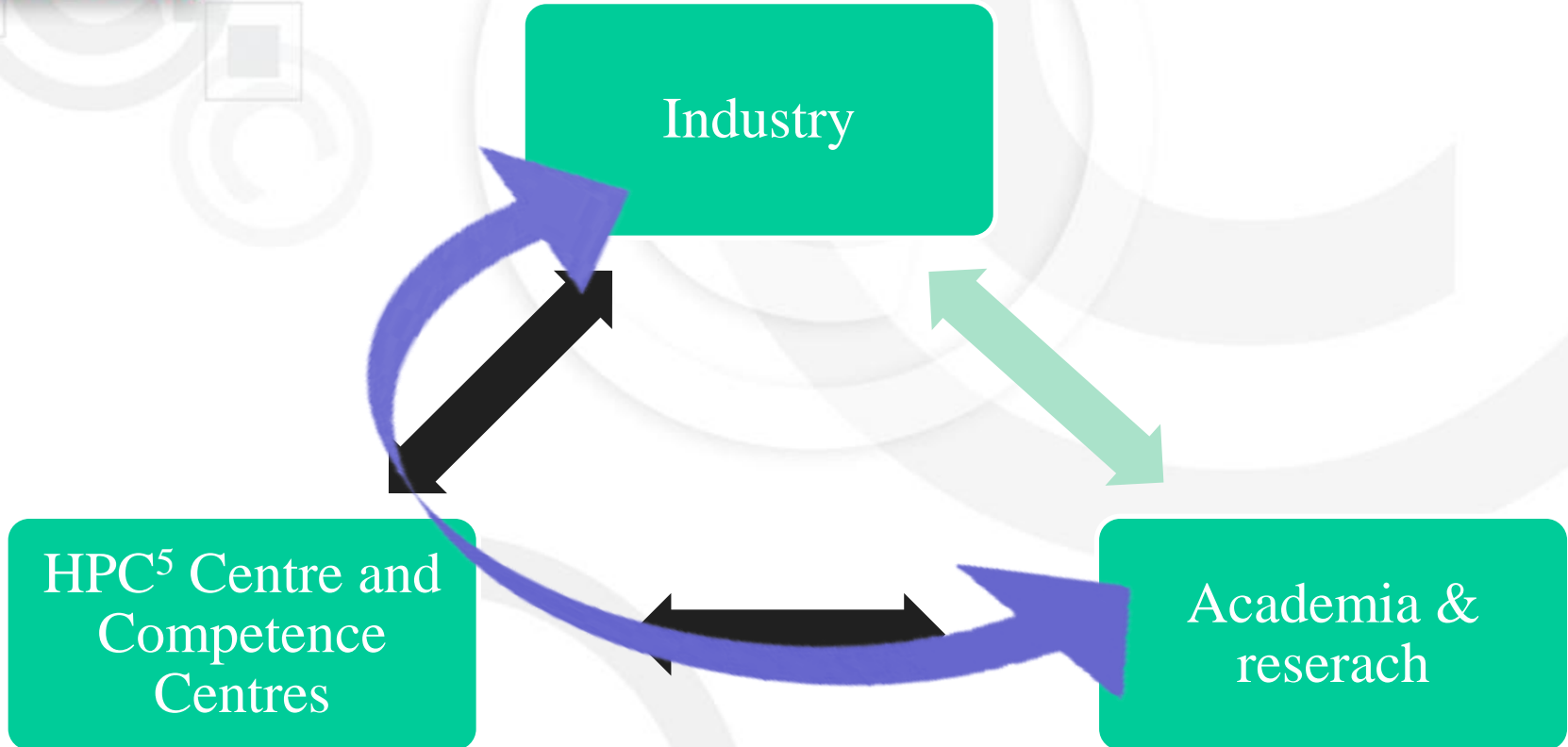
Business Incubator

Competences



Infrastructure





HPC⁵ Center in Vrtojba - Slovenia





THANK YOU
FOR YOUR
ATTENTION!

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