



Innovative ICT for Manufacturing SMEs

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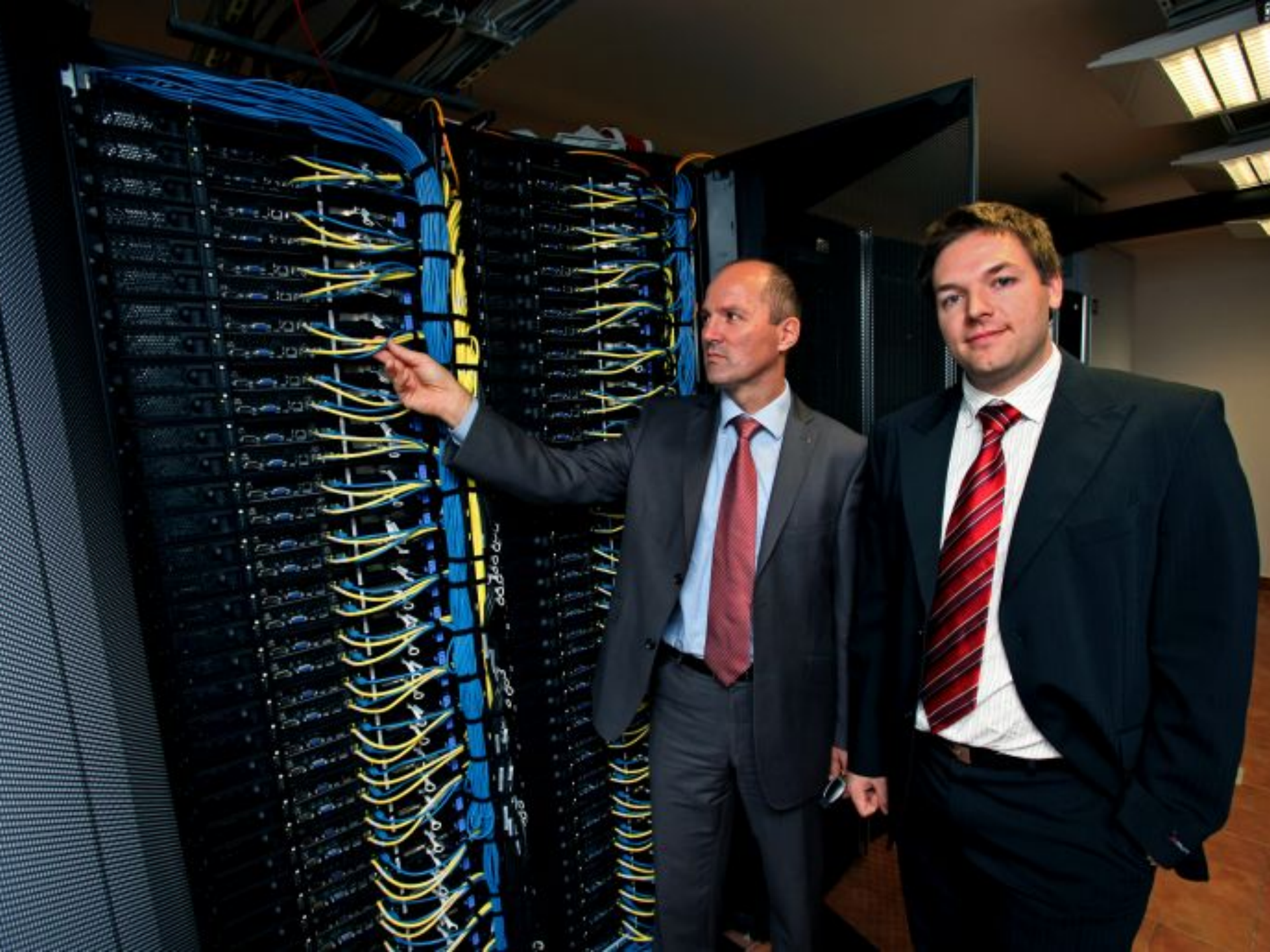
About Arctur (since 1992)

- 25 employees (as 1st January 2014)
- Income from services >1,4 M€
- High Performance & Cloud Computing
- R&D Department (8 researchers & 5 PhD students, inovations, patents)
- 4PM (Project Management Software – 12.000 users, 5 languages, awards)











HPC⁵

HPC⁵ Centre

⌚ Competence Centres

⌚ Business Incubator

Competences

⌚ Parallellization & code optimization

⌚ HPC Configuration & Deployment

⌚ Performance & Scalability Benchmarking

⌚ Mathematical modeling and advanced statistics

⌚ HPC and Cloud Software Development

⌚ Networking and Related Services

⌚ Infrastructure

⌚ HPC
⌚ Hardware & Software

⌚ Cloud Infrastructure

⌚ Data Centers

⌚ Connectivity
⌚ Fiber-Optic Network



HPC 4 researchers

1. Price and performance negotiations
2. Deployment of user SW
3. Computation
4. End







HPC 4 SMEs

- 4. Searching for an appropriate SME
- 3. Building the demand (ideas)
- 2. Searching for the right Academia partner
- 1. Searching for the proper SW (OS?)
0. Optimize SW and prepare it for remote usage
 1. Price and performance negotiations
 2. First computation for FREE
 3. High priority Computation (for charge)
 4. Long term storage of user data and results
 5. Hope they will come again

Active involvement in:

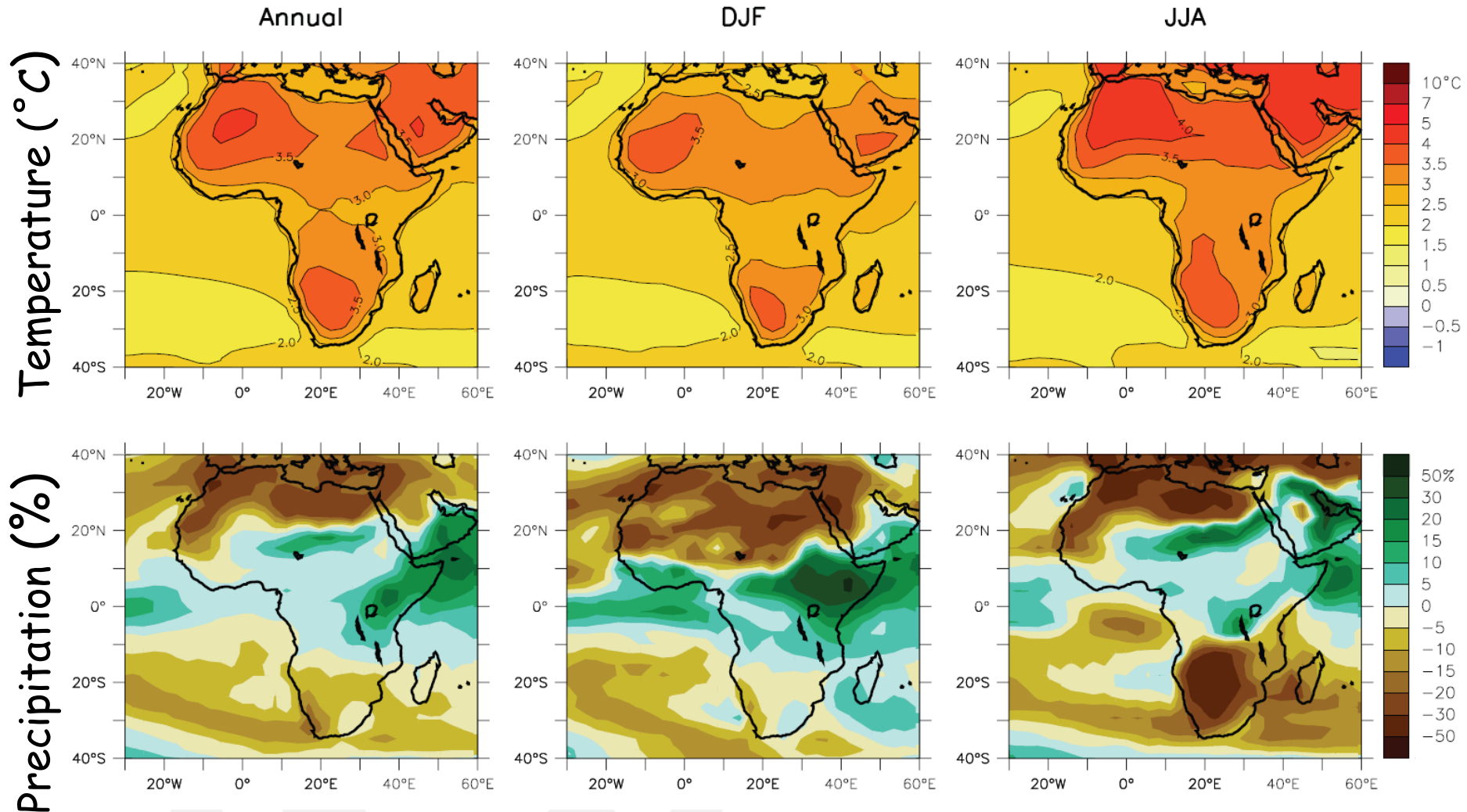
- I4MS (Fortissimo & CloudFlow projects)
- FI - XiFi
- ETP4HPC
- NAFEMS
- EEN
- National Chambers of Commerce
- Various technology and innovation centers in the region

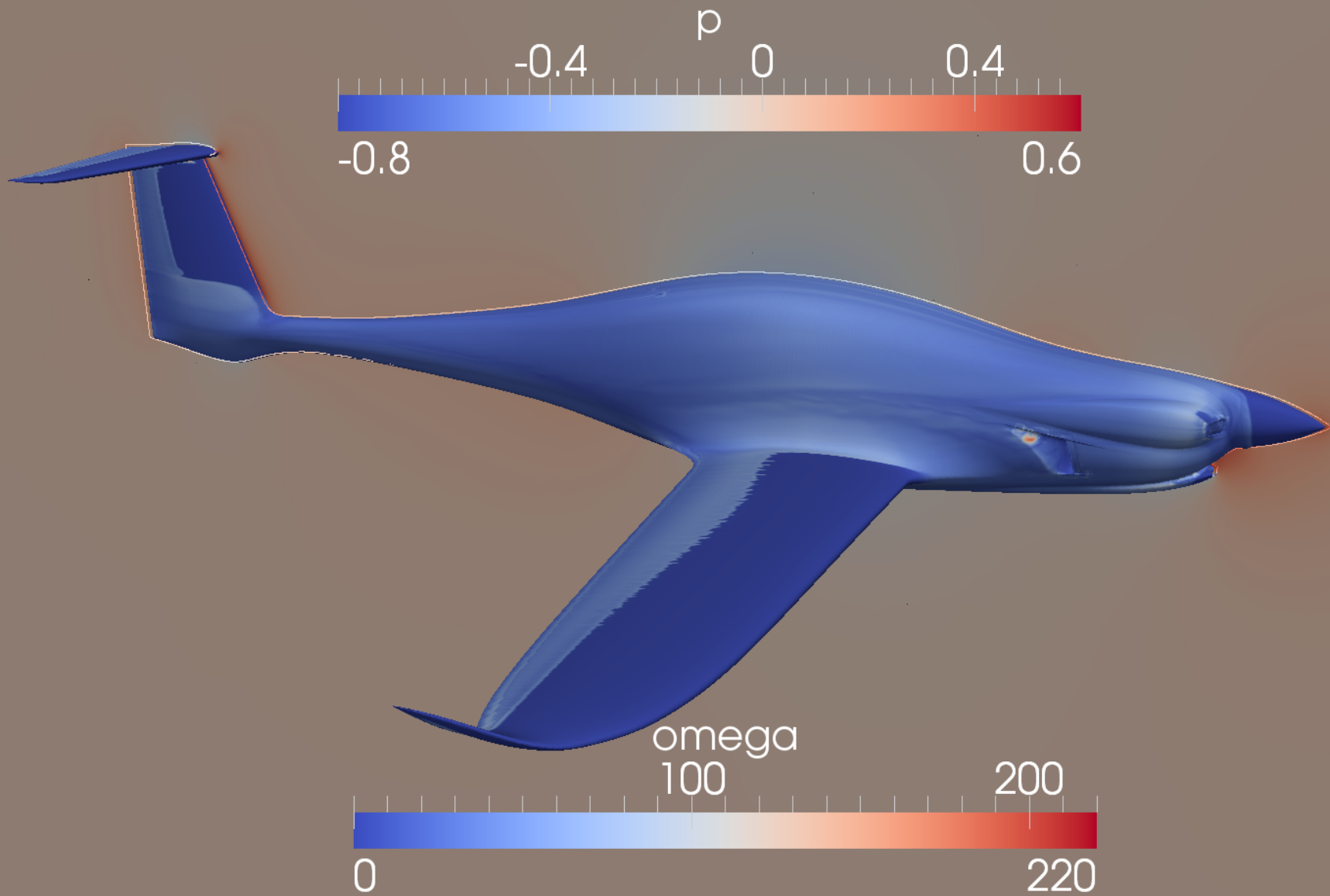
The logo for I4MS. It consists of the letters "I4MS" in a bold, sans-serif font. The "I" is yellow, the "4" is green with a white plus sign inside, the "M" is teal, and the "S" is dark blue.

I4MS

Projected climate change in Africa

Climate change (2080-2099 vs 1980-1999)
A1B emissions scenario, average of 21 GCMs







PANTHERA





🕒 Artur's partner Pipistrel received the IDC Innovation excellence award in the field of High Performance Computing



INTERNATIONAL
SUPERCOMPUTING CONFERENCE





They want us to analyse
their Genome and want to
pay in Bitcoins...

THANK YOU
FOR YOUR
ATTENTION!

hpc.arctur.si



Our next location with free cooling

