



**COMPUTATIONAL SCIENCE
FOR BUSINESS & INDUSTRY**

**COLLABORATIVE WORKING
ENVIRONMENTS FOR MULTIPHYSICS
APPLICATIONS**

Toàn NGUYEN



OPALE Project-Team

Initial shape

Optimized shape

ICT CONTRIBUTIONS TO MDA AND MDO

- SOFTWARE INTEGRATION PLATFORMS
- DISTRIBUTED AND PARALLEL hardware AND software
- VIRTUAL COLLABORATIVE ENVIRONMENTS
- USER CENTRIC NOT TECHNOLOGY PLATFORMS
- MULTI-APPLICATIONS AND MULTIDISCIPLINES
- PROVIDE SEAMLESS AND UNIFIED WORK ENVIRONMENTS



COMPUTATIONAL SCIENCE

PITAC REPORT

MATH. MODELING

COMPUTER SCIENCE

INFRASTRUCTURES

mach

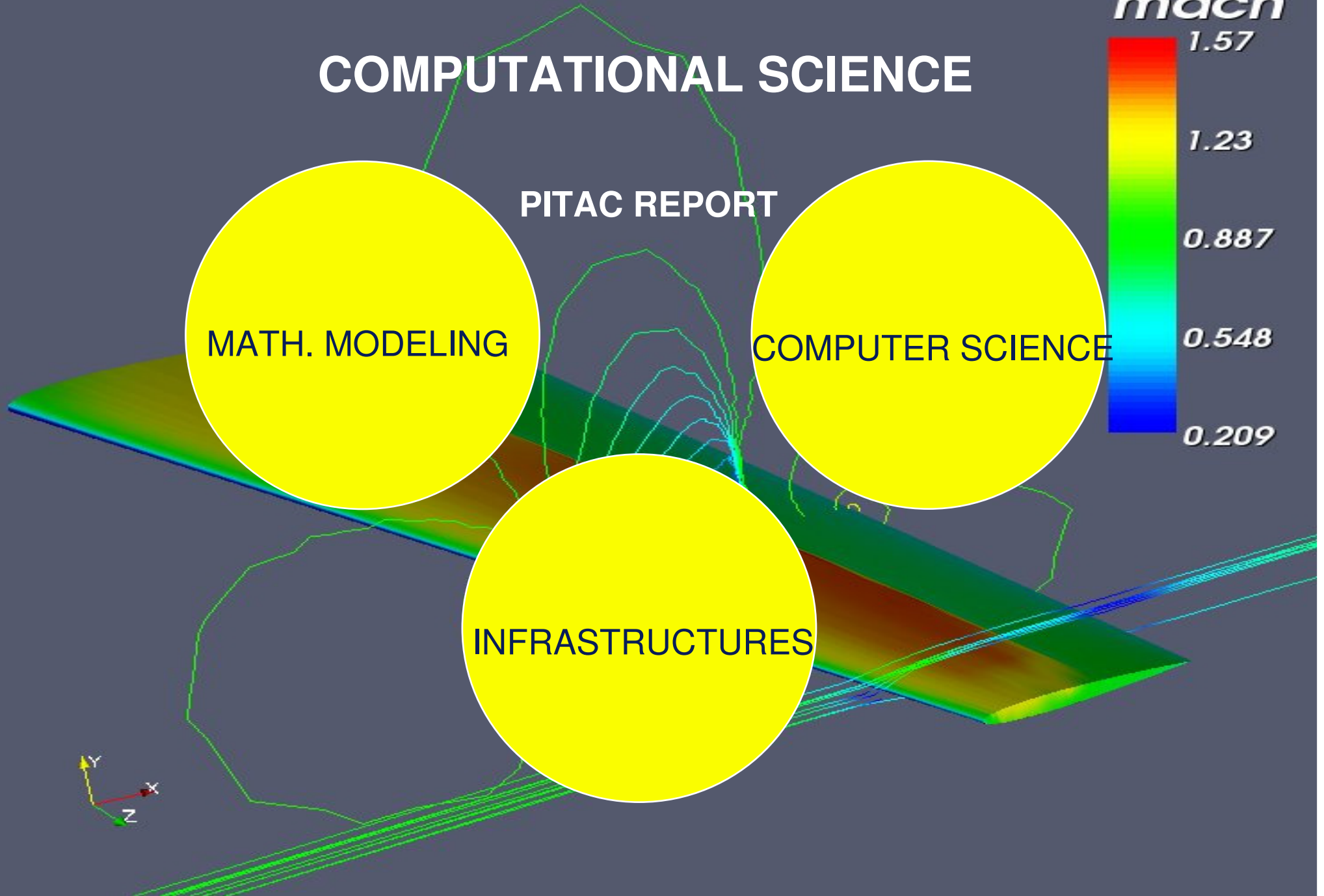
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1.23

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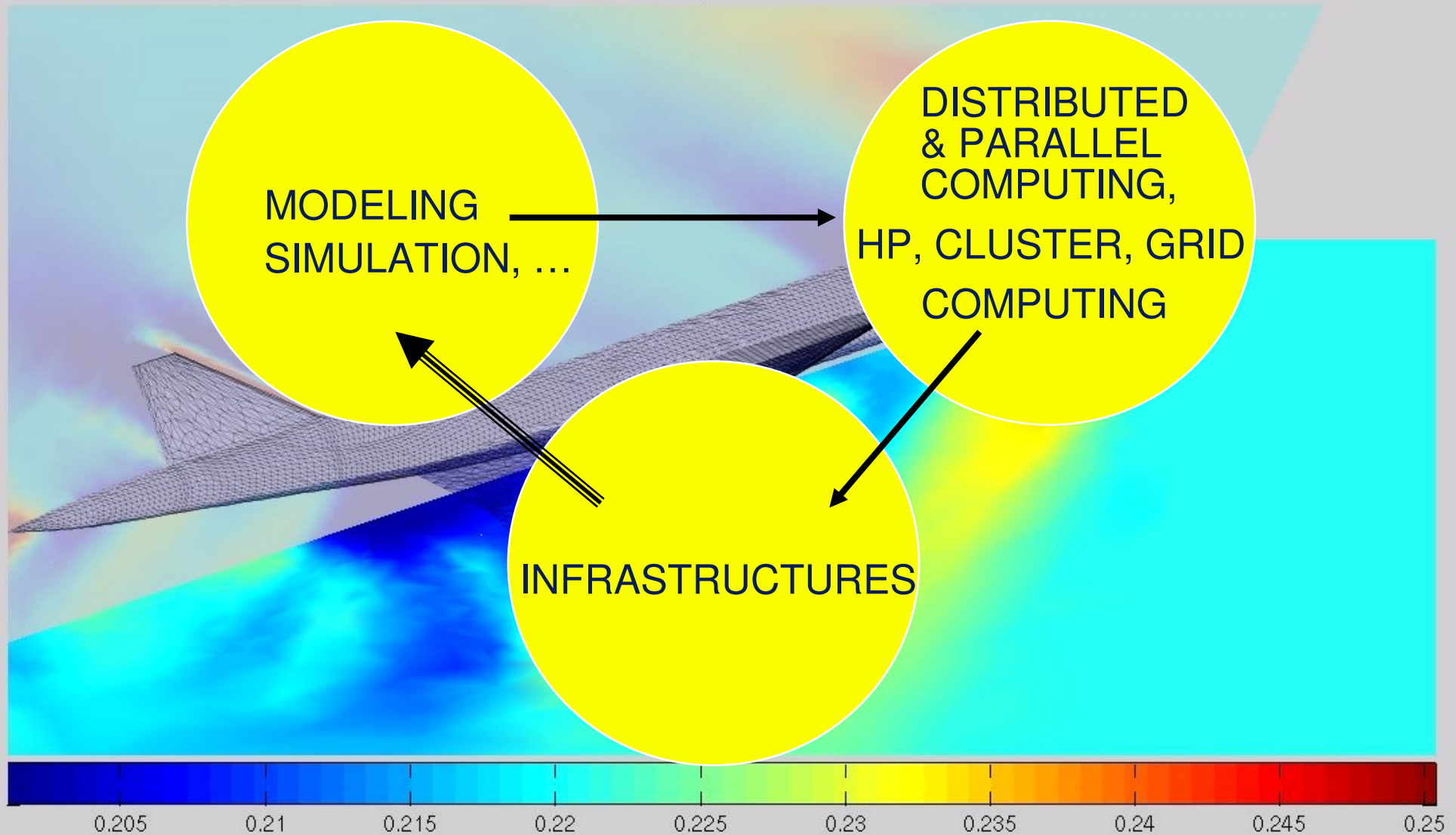
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0.209



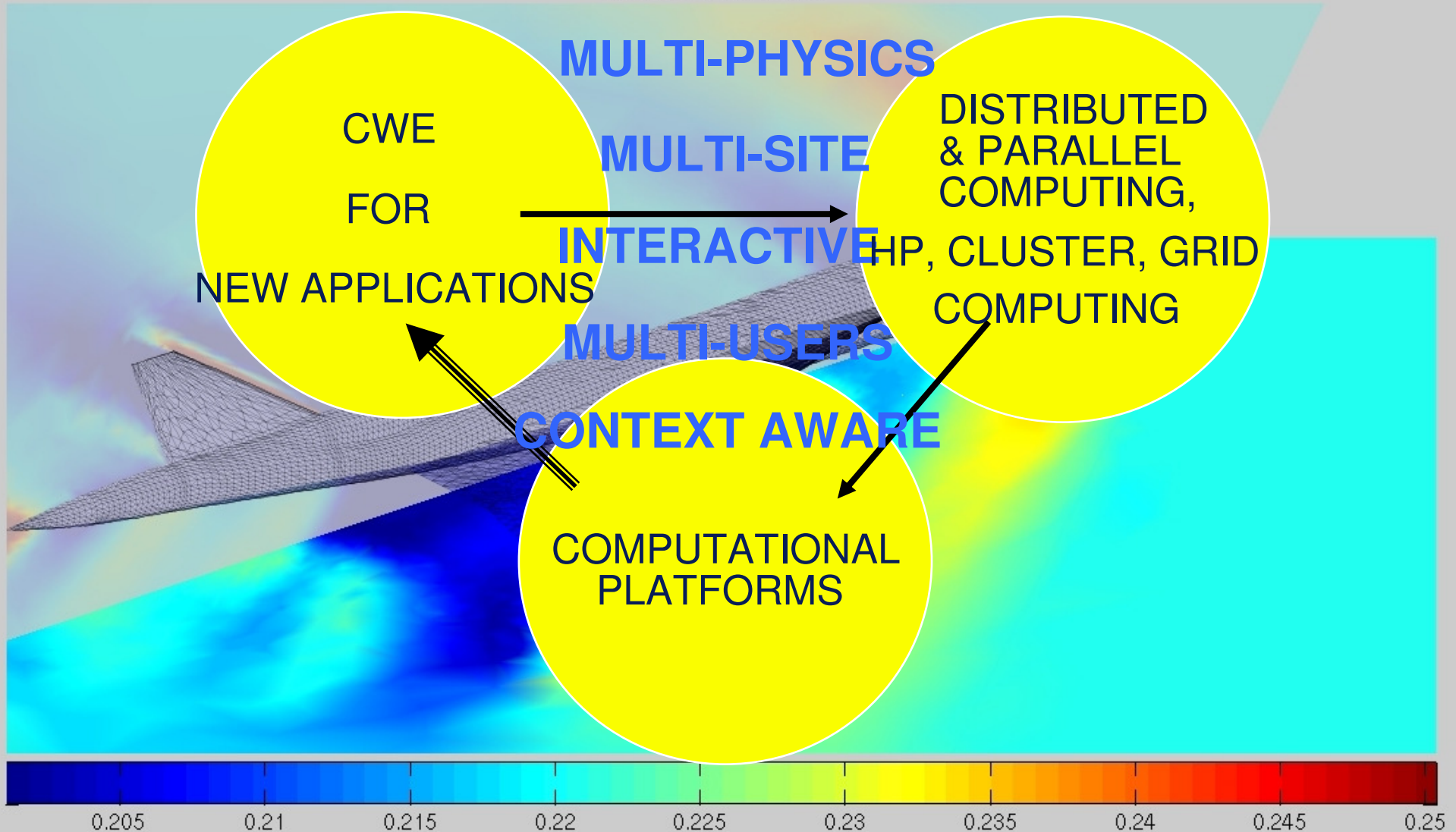
COMPUTATIONAL SCIENCE VISION

optimized: pressure below

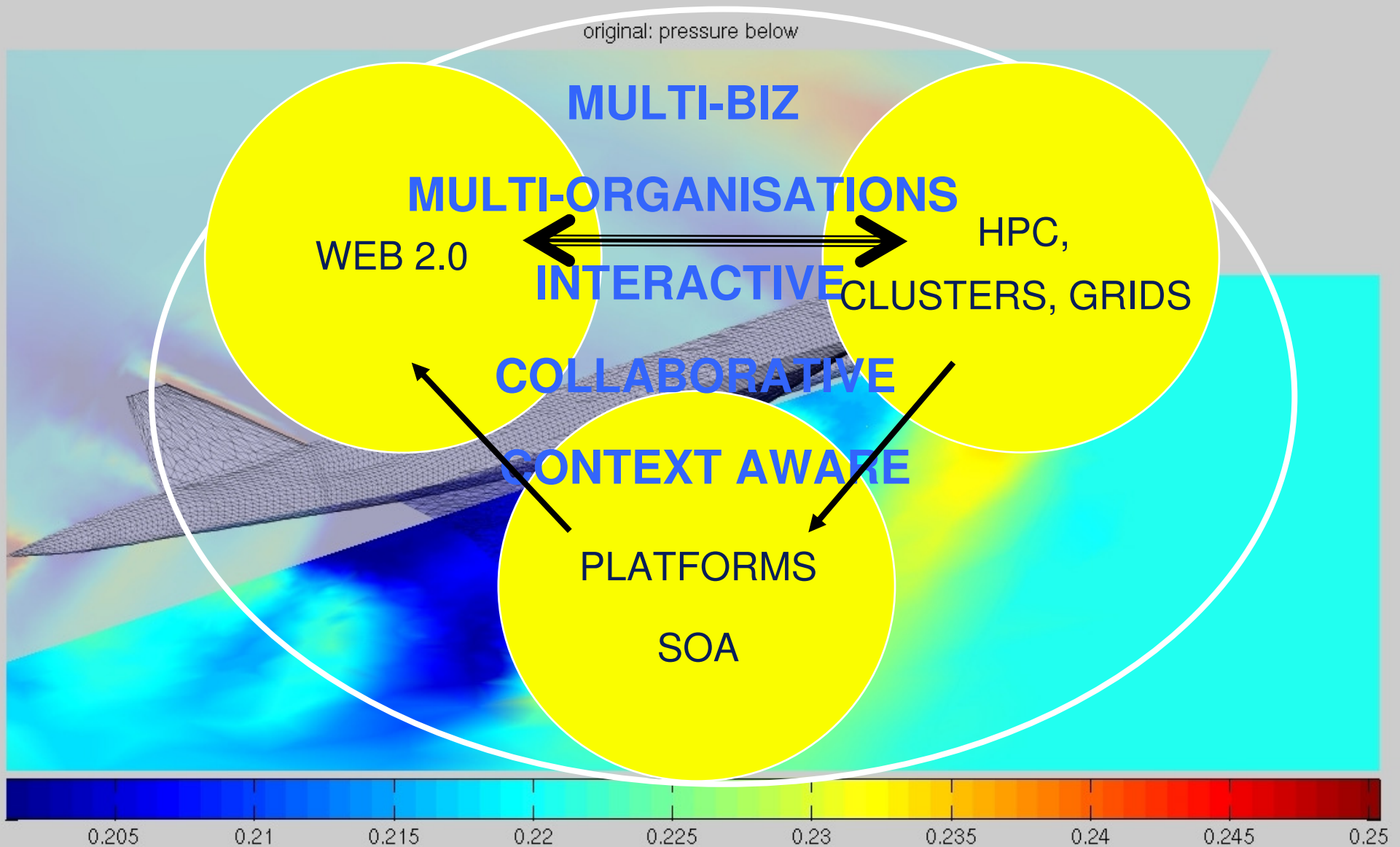


COLLABORATIVE WORKING ENVIRONMENTS

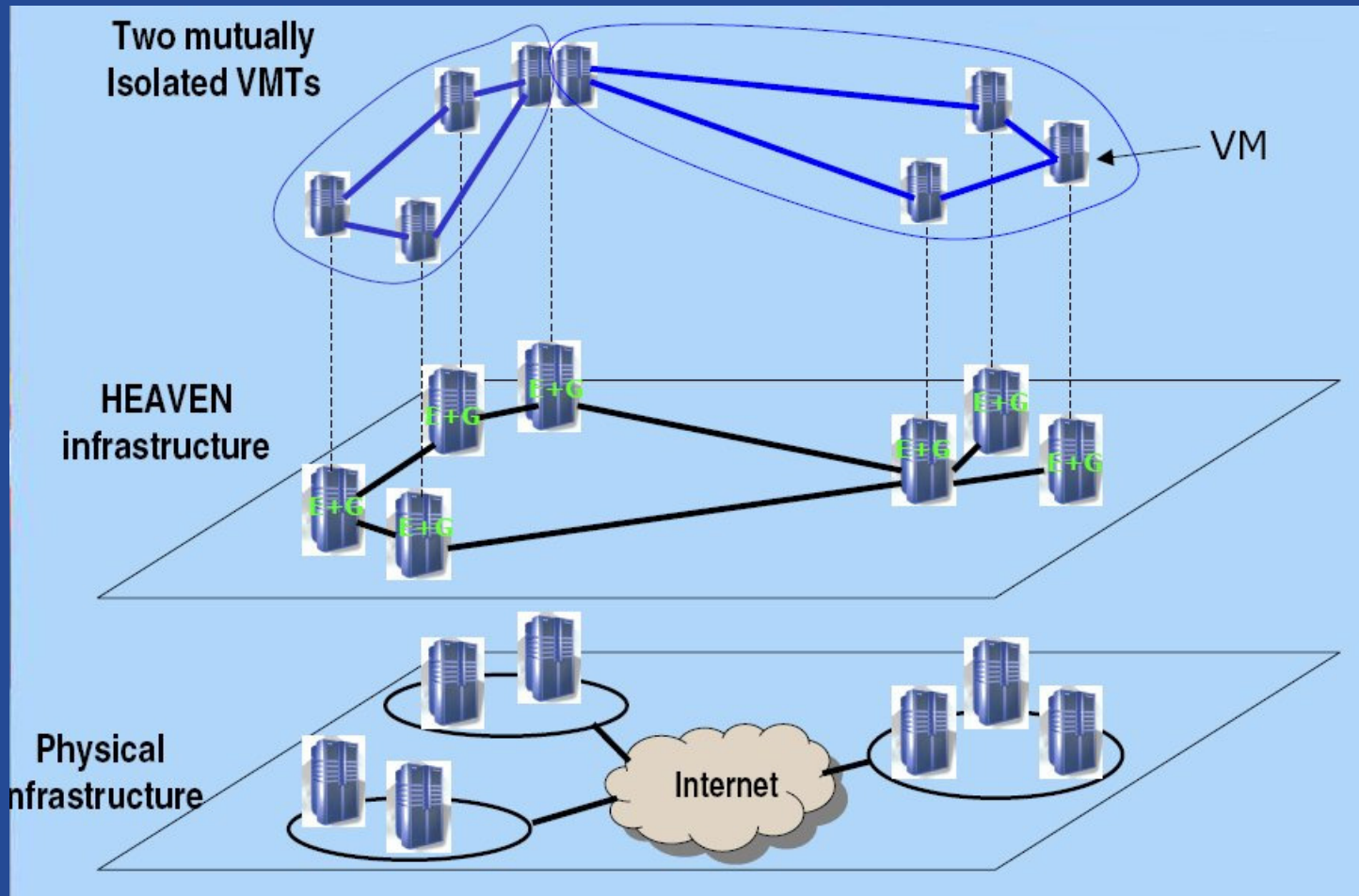
original: pressure below



TOWARDS SEAMLESS CWE



VIRTUAL ENVIRONMENTS



REFERENCES

<http://www-opale.inrialpes.fr>

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