

Beyond the BCBU

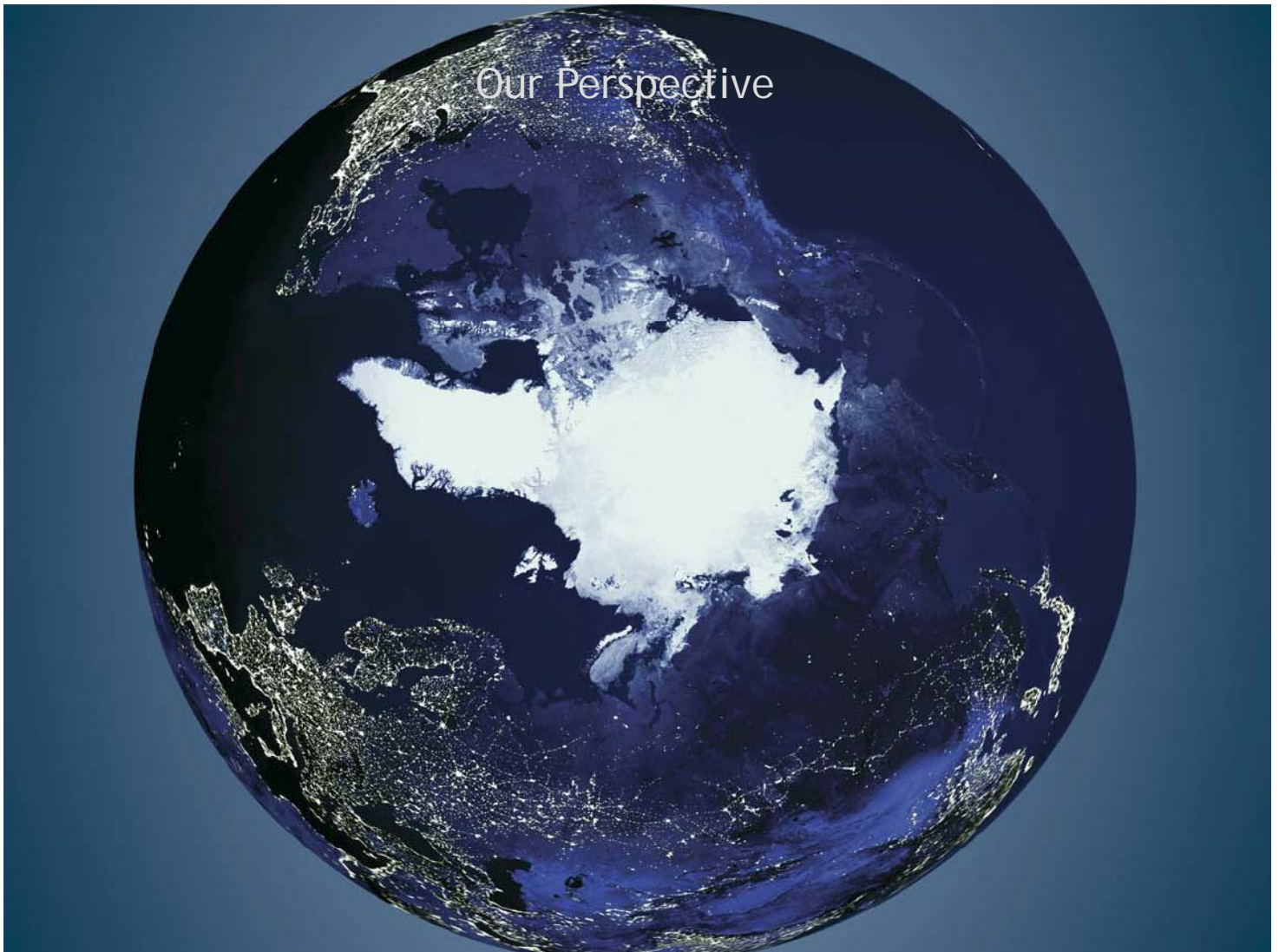


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Our Perspective



The challenges

The volume of students in BCBU master's degree programs is small

- may endanger funding and cooperation

What *could* be done to expand the student flows?

- courses/modules in English at/from all participating institutions

What *must* be done to see BCBU type cooperation in 2020?

- operating volumes and funding regimes must be in balance
- launch of cooperative externally funded research projects

$$\oint_S \mathbf{D} \cdot d\mathbf{A} = \int_V \rho dV$$

$$\oint_S \mathbf{B} \cdot d\mathbf{A} = 0$$

$$\oint_C \mathbf{E} \cdot d\mathbf{l} - \oint_C \mathbf{B} \times \mathbf{v} \cdot d\mathbf{l} = - \frac{d}{dt} \int_S \mathbf{B} \cdot d\mathbf{A}$$

$$\oint_C \mathbf{H} \cdot d\mathbf{l} = \int_S \mathbf{J} \cdot d\mathbf{A} + \int_S \frac{\partial \mathbf{D}}{\partial t} \cdot d\mathbf{A}$$



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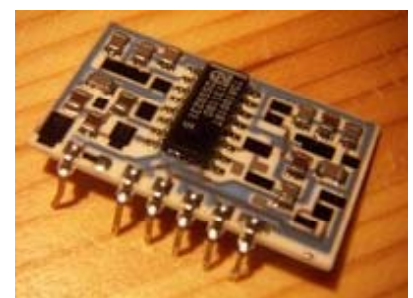
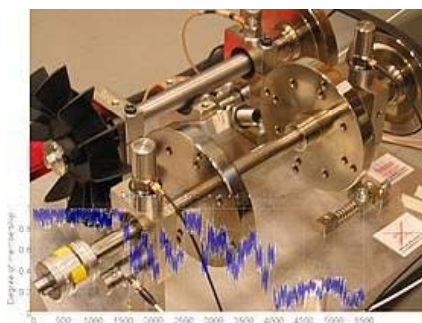
The opportunities for developments

Could a wider course/module/curriculum palette attract more students?

- the international master's degree programs could serve as a foundation for cooperation
- interest of the increased number of students from elsewhere (China?) via the University of Oulu international master's degree programs?

Modules/courses from another institution included in degree program guides?

- one or two semesters



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A wider palette: International Master's degree programmes at the University of Oulu

Architectural Design
Protein Science and Biotechnology
Wireless Communications Engineering
Education and Globalisation
International Business
Finance
Technology-Enhanced Learning
Magnetic Resonance in Materials
Ecology and Population Genetics

Further details: <http://www.degree.oulu.fi/>

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Ingredients for future actions

Goal settings and planning of follow-up measures to be considered

- an action plan with realistically scheduled checkpoints and deadlines should be drafted
- targets for realistic total volumes of student and staff exchange between the partner universities should be set

Concrete actions to be considered

- visibility actions to wake-up sufficient student and staff interest
- support measures to facilitate student and staff exchange
- cooperation between the Russian parties to produce modules for international students

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Possible concrete steps

Individual courses in Finland from Russian BCBU partners (from 2011)

- held by exchange teachers who also pursue for research cooperation
- later on available as English content at BCBU partners (2012 onwards)

Courses and modules from Finland included in the degree programs of the Russian BCBU partners as optional content (from 2012?)

- distance education & student exchange
- later on double & joint degrees

Courses/modules from cooperating Russian BCBU partners included in Finnish degree programs as optional content (from 2013?)

The University of Oulu will investigate the opportunity for mobility grants of its own to exchange students from BCBU partner universities



Summary

More volume is needed to keep the BCBU cooperation running

- more degree & exchange students, more exchange teachers,
- more courses & module offerings

Switching from supply to demand driven mode of operation is mandatory

- wider course and module palette needed to identify demand

More visibility for BCBU and international degree programs and modules needed within the partner universities

- active student recruitment
- active staff involvement

