



Norwegian Agency for
International Cooperation
and Quality Enhancement
in Higher Education

**MatRIC Annual Conference | Bergen, 14-15 October 2019 |
Kristin M. Flornes, Chair of the Diku Board**

Mission, Key Activities and Strategic Priorities

A New Organisation



Launched in 2018 as a merger between:

- Norwegian Centre for International Cooperation in Education (SIU)
- Norwegian Agency for Digital Learning in Higher Education
- Norwegian Artistic Research Programme



A New Mandate



Diku aims to strengthen the quality of Norwegian education.

We promote and fund **development and innovation, international cooperation and digital learning.**



Our Tasks

- Erasmus+
- Nordic countries
- Panorama strategy (BRICS + Japan))
- North America (USA + Canada)
- Funding of schools for tertiary vocational education and training
- Annual Reports
 - on the State of Higher Education
 - on the State of Tertiary Vocational Education



- Centres for Excellence in Education
- Development of new funding schemes for higher education
- Funding of student welfare organisations
- Education Quality Awards



Why the focus on quality and innovative practices in education?



«Lecturing has been the predominant mode of instruction since universities were founded in Western Europe over 900 years ago.»

Freeman et al. (2014)

Sentre for Fremragende Utdanning (SFU) Centers for Excellence in Education



- The overall goal of the SFU initiative is to contribute to the development of excellent quality in higher education
- Initiative parallel to the Centers of Excellence in Research (SFF) and Research Based Innovation (SFI).



MatRIC



A national resource for achieving excellence in mathematics education

Vision: Students enjoying transformed and improved learning experiences of mathematics in higher education

$$\frac{\pi}{4} = 1 - \frac{1}{3} + \frac{1}{5} - \frac{1}{7} + \frac{1}{9} - \frac{1}{11} + \dots$$

The screenshot displays the MatRIC website interface. At the top left is the MatRIC logo and text: "MatRIC Centre for Research, Innovation and Coordination of Mathematics Teaching". Below this is a small text block: "Produced and translated under licence from: Mathematics Education Centre Loughborough University UK <http://www.bccs.ac.uk/departments/mec/>". The main content area features a grid of video thumbnails, each with a speaker icon and a count of videos:

- 01-Grunnleggende matematikk (14 videoer)
- 02-Grunnleggende mengdelære og algebra (4 videoer)
- 04-Potenser og logaritmer (8 videoer)
- 05-Funksjoner (4 videoer)
- 07-Trigonometri
- 08-Følger og rekker

Making and Communicating Mathematical Meaning

Kristin Flornes

Executive Vice President Technology

14. OCTOBER 2019

This is NORCE



1100

Employees



10

Cities



6

Research areas



1,2

Billion NOK



4

University owners



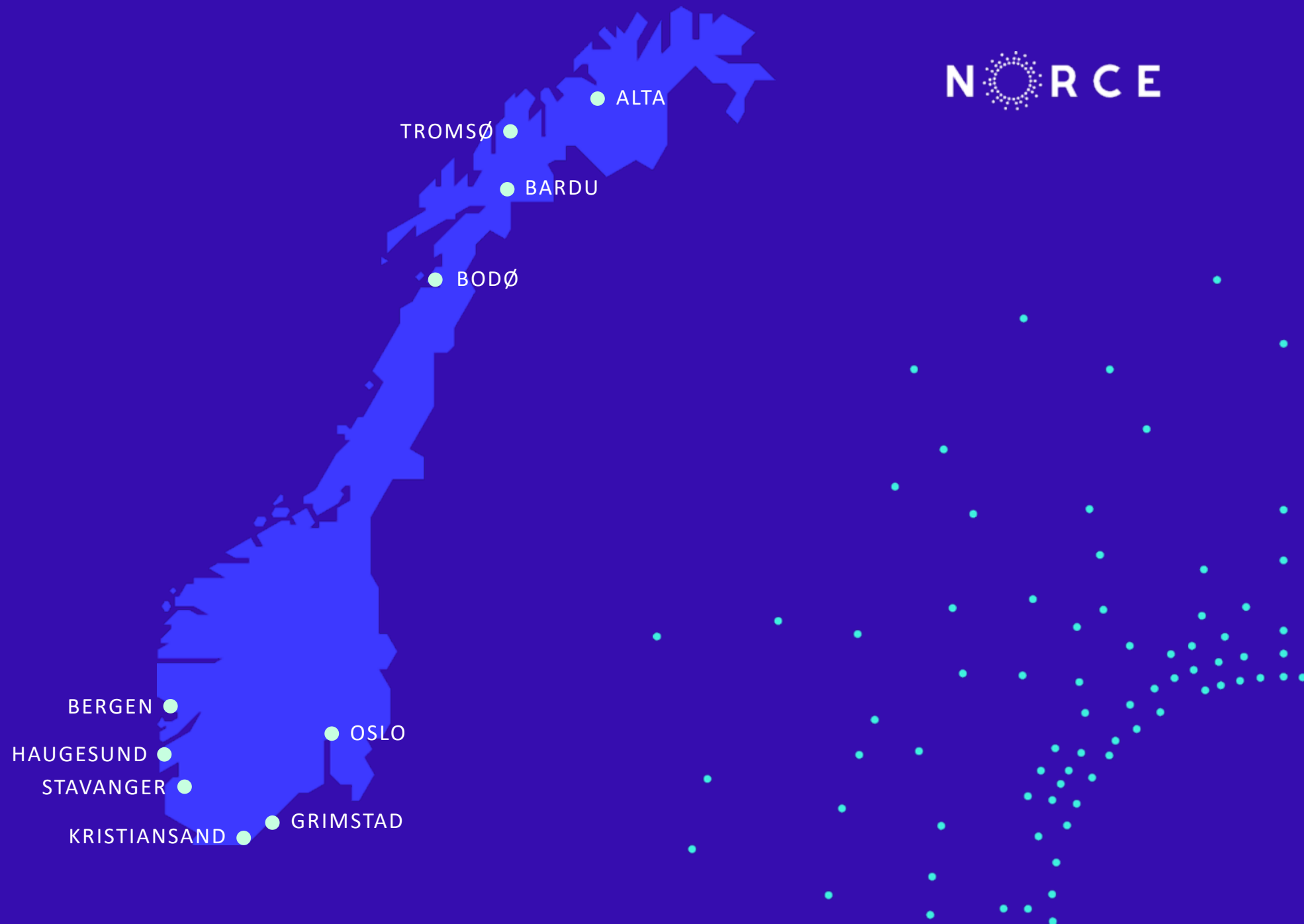
40

Nationalities



0

Non-profit

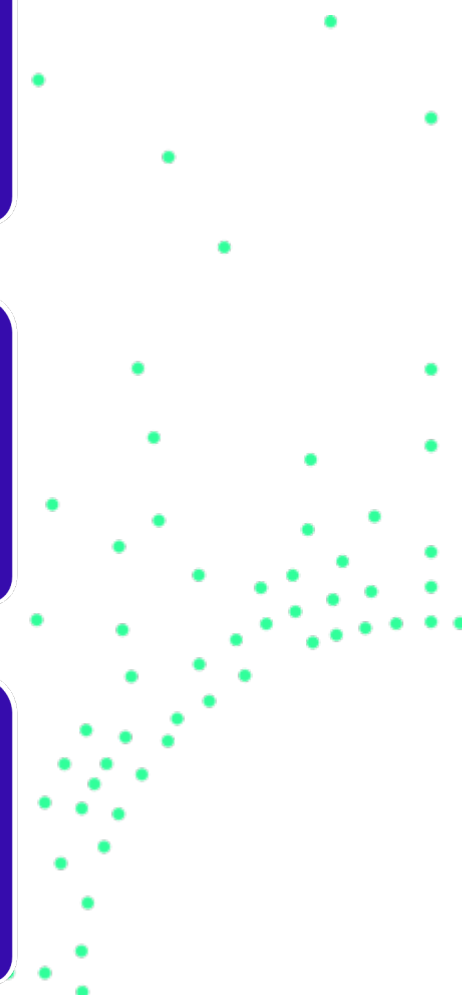
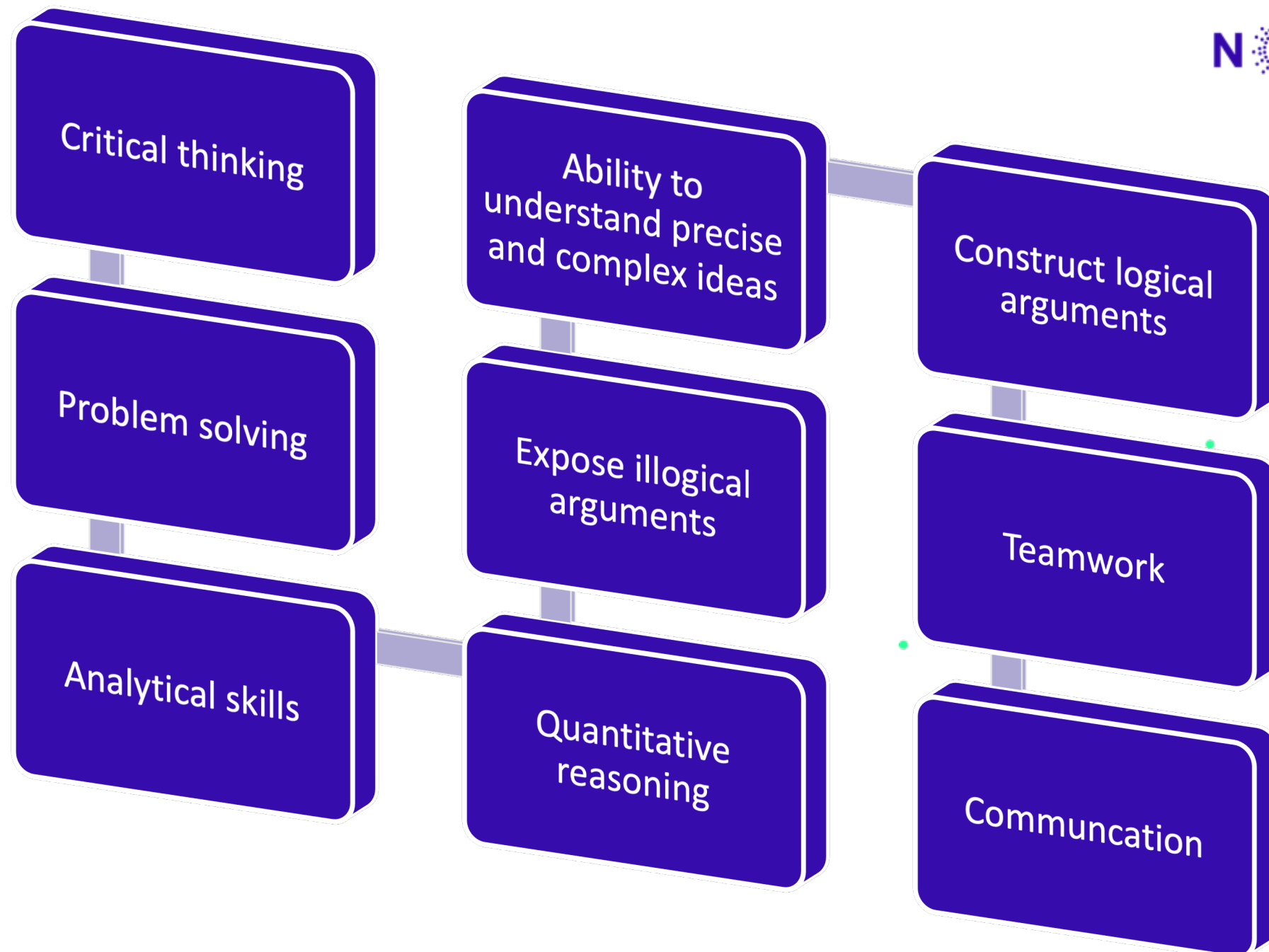


SAMPLING AND INTERPOLATION IN THE PALEY-WIENER SPACES L^p_π , $0 < p \leq 1$

KRISTIN M. FLORNES

Abstract

Following Beurling's ideas concerning sampling and interpolation in the Paley-Wiener space L^∞_τ , we find necessary and sufficient density conditions for sets of sampling and interpolation in the Paley-Wiener spaces L^p_τ for $0 < p \leq 1$.







Application fields



Oil and gas



Renewable energy



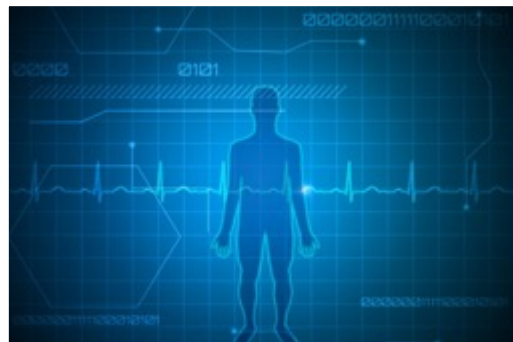
**Marine, coast and
aquaculture**



**Maritime, transport
and rescue**



Agriculture



Medicine and health



**Air and space -
Earth observations**



Process and metallurgy

big data



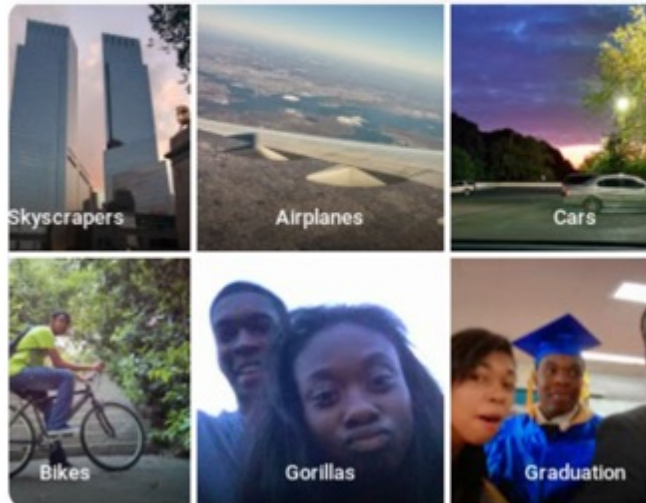
Artificial Intelligence – ethics



I post from <https://v2.jacky.wtf>. @jackyalcine

Følg

Google Photos, y'all fucked up. My friend's not a gorilla.



18:22 - 28. jun. 2015

Amazon Reportedly Killed an AI Recruitment System Because It Couldn't Stop the Tool from Discriminating Against Women

By [David Meyer](#) October 10, 2018



SUSTAINABLE DEVELOPMENT

GOALS

NORCE



Source:
UN.org



Workforce and Employment

The jobs of the future – and two skills you need to get them

Maths ability will get you furthest, says Harvard's Davis Deming. As long as you've got the social skills to go with it.

Thank you!

KRISTIN FLORNES

 krfl@norceresearch.no

 www.norceresearch.no

 [@kristin_flornes](https://twitter.com/kristin_flornes)