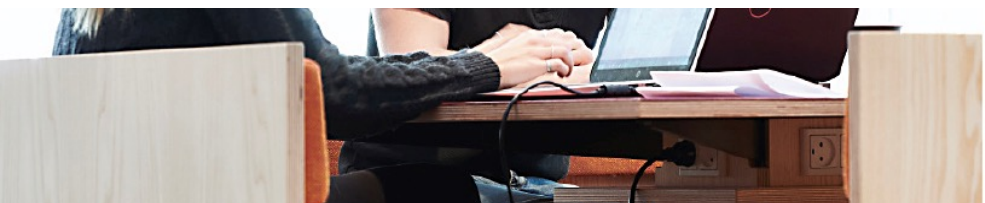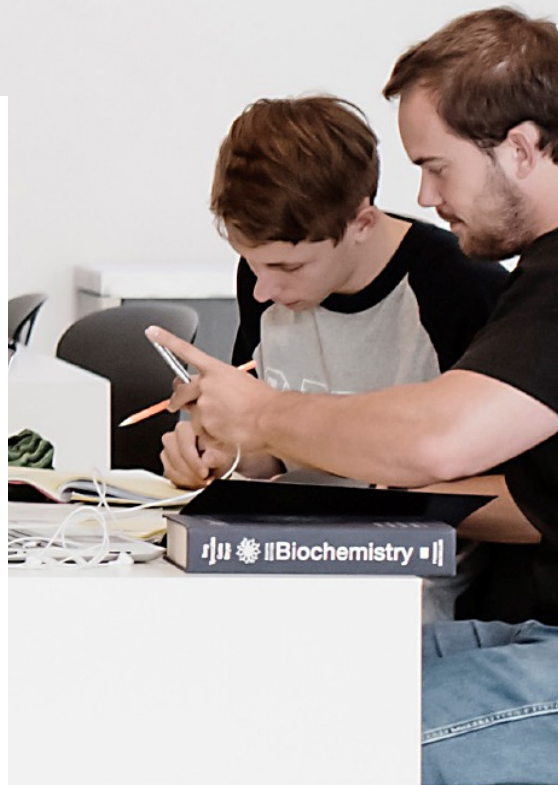**Faculty of Science**

OPEN SCIENCE ASSESSMENT

Katrine Krogh Andersen
Dean, SCIENCE

KØBENHAVNS UNIVERSITET
DET NATUR- OG BIOVIDENSKABELIGE FAKULTET

OPEN SCIENCE ASSESSMENT

❖ Open Science assessment is experiencing increasing attention

❖ Initiatives such as DORA (Declaration of Research Assessment), Leiden Manifest and other are emerging

❖ From output to impact and contribution

❖ What is happening in this area in Denmark?

❖ 2019: Report on better assessment carried out by the Committee for Better Merit in Danish Research

Fremtidens meritering

Afrapportering og anbefalinger fra udvalget for bedre meritering i dansk forskning

April 2019

Uddannelses- og Forskningsministeriet

Styrelsen for Forskning og Uddannelse

ASSESSMENT OF THE FUTURE

Fremtidens meritering

Afrapportering og anbefalinger fra udvalget for bedre meritering i dansk forskning

April 2019

Uddannelses- og Forskningsministeriet

Styrelsen for Forskning og Uddannelse

Purpose:

✓ Provide recommendations for a better assessment structure

✓ Set up concrete models for a more comprehensive assessment of researchers

✓ Highlight advantages and disadvantages

Main conclusions:

❖ There is a need to assess wider perspectives of academic careers

❖ Assessment of research must be based on a substantial peer review relating to all significant types of contributions to research results – and not primarily to publications and bibliometric indicators

❖ The assessment must be expanded, and to a greater extent cover the development and implementation of good teaching as well as dissemination of knowledge essential for the application of research in society
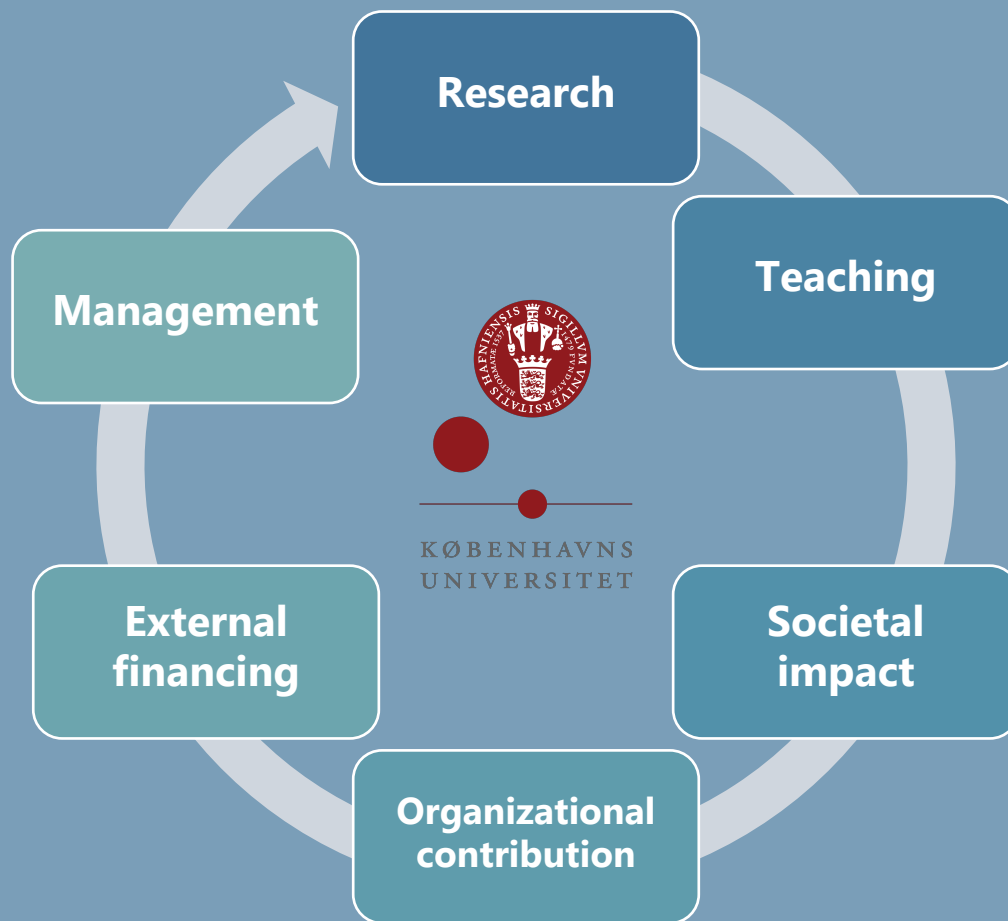
RECOMMENDATIONS

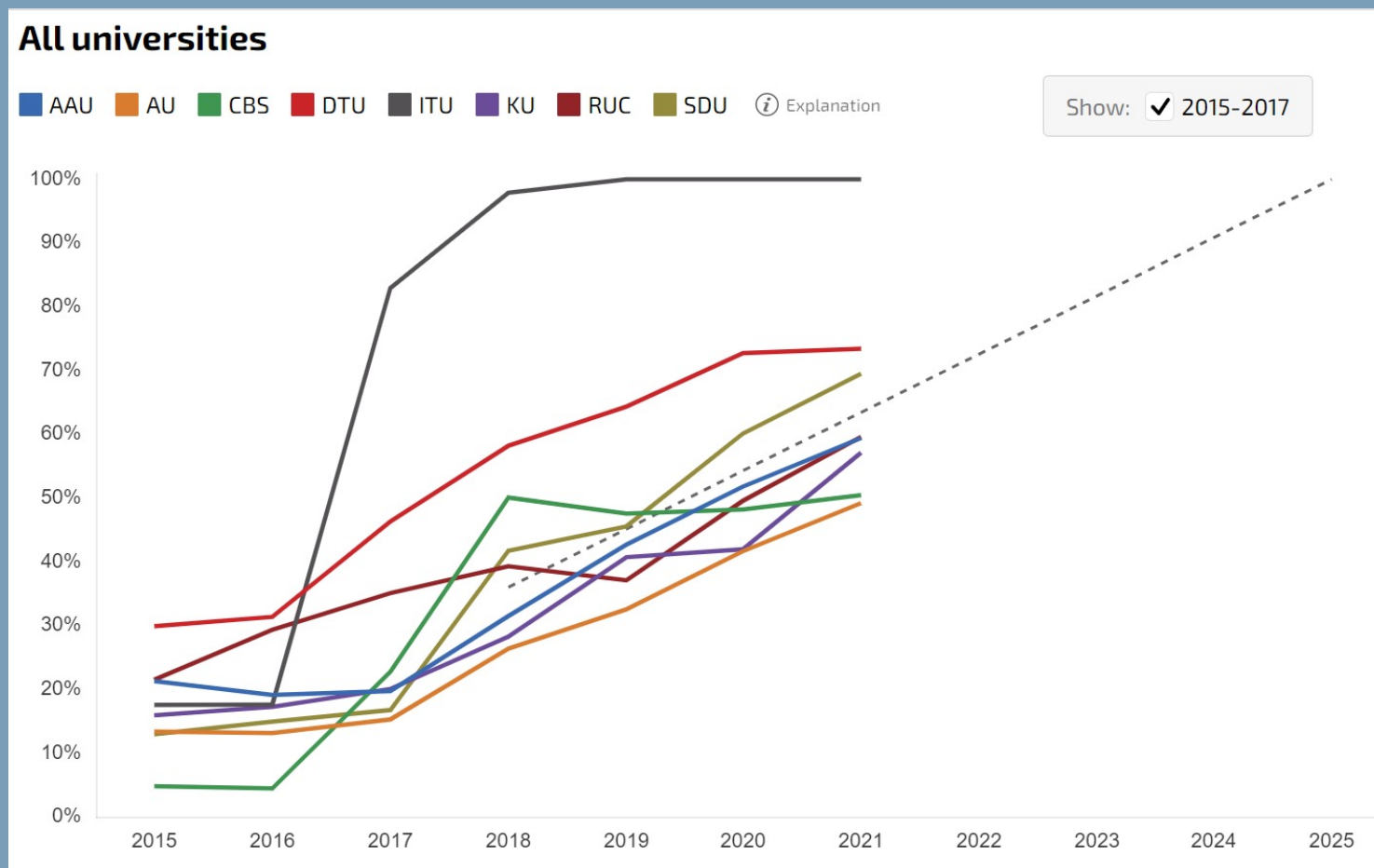| Assessment of research	Assessment of teaching	Assessment of knowledge dissemination
❖ The full width of significant contributions to research results must be assessed and recognized at the universities ❖ The assessment of the research merits in connection with employment must be substantial and qualitatively based	❖ Teaching must be a professional domain for the scientific staff characterized by openness, feedback and professional development ❖ The assessment of teaching merits must always be included in the employment of scientific staff ❖ Universities must set standards for the upgrading of teaching competencies ❖ A consistent documentation practice for teaching competencies must be developed	❖ The university culture must generally promote collaboration with the surrounding society ❖ Job postings can put more emphasis on dissemination of knowledge ❖ Increased flexibility and use of shared positions can support collaboration and knowledge exchange ❖ The use of peer review in connection with government services must be strengthened

OUTLOOK FROM THE REPORT ON OPEN SCIENCE

❖ Significant scientific progress and results are achieved through collaboration across research groups, universities and nations

❖ Lack of openness and access to data creates structural problems in research, including challenges with reproducibility, verification, use and reuse of data

❖ Open science must be seen as a part of a larger transformation within the organization and assessment of scientific efforts

❖ Challenges → Open science assessment is being explored at many universities, but still inhomogenous

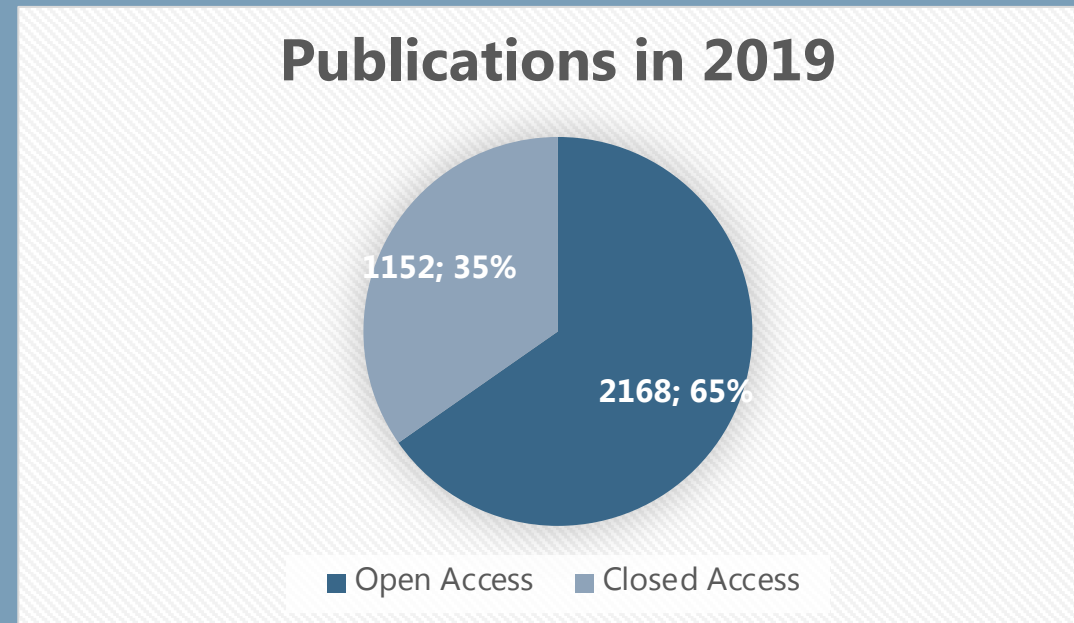# CRITERIA FOR RECOGNIZING MERIT AT UCPH

OPEN ACCESS as an example

University status on the share of Open Access compared to the target of the National Open Access Strategy.

OPEN ACCESS PUBLISHING AT SCIENCE

Number of publications published in 2019 with overall status Open or Closed:
Peer-reviewed Articles, Reviews, Letters, Conference articles

Publications in 2019

1152; 35%

2168; 65%

■ Open Access   ■ Closed Access

Publications included are those defined by the Open Access Indicator,
Ministry of Higher Education and Science (http://oaindikator.dk/) Source: CURIS

TOWARDS IMPLEMENTATION OF OPEN SCIENCE ASSESSMENT IN DENMARK

❖ A first overview over assessment practices at Danish universities was collected as part of the presented report

❖ EU level and international discussions on assessment including Open Science

❖ First step is to recognize various aspects of required merits

❖ Need for continued discussion in Denmark and robust assessment of impact

❖ Need to support Open Science, Open Access and Open Data with easy access for the individual researcher