

SURF eCONTENT FOR EDUCATION

How the use of digital learning materials in the Netherlands will be boosted

Ans ter Woerds
Pim Slot



What is SURF?

- SURF is the collaborative organisation for IT in Dutch education and research;
- Driver of IT innovation in education and research in cooperation with its members;
- > 100 education and research institutions in the Netherlands work together in the SURF cooperative to fully utilise the opportunities of digitalization. Our goal: improved and more flexible education and research.



SURF's roles

1. SURF as an **association** in which members work together across the boundaries of their sector/campus and together with the SURF organisation, to develop, combine and share knowledge about the optimal use of IT in education and research;
2. SURF as a **service provider**, in which the SURF organisation provides a reliable, state-of-the-art range of services that has been created in consultation with the members;
3. SURF as an **innovation workspace**, where it creates an environment in which members can collaborate on complex innovation issues with each other and with the SURF organisation in an optimal way. It chooses to tackle these issues with an **ecosystem approach** that brings together various parties, agreements, and technologies to achieve a solution.



The ecosystem approach has lead to

a variety of services and applications, for example:

- Eduroam;
- High speed internet services and connection in higher education and research;
- High end computing services (Snellius, the national supercomputer);
- SURFconext;
- Broker services for IT-departments and libraries:
 - contracts with major providers (e.g. Microsoft, Google);
 - contracts with global and society publishers (Elsevier, Wiley, SpringerNature, Taylor and Francis, and others);
- Eduservices:
 - Edusources;
 - Edubadges;
 - HBO Knowledgebase.

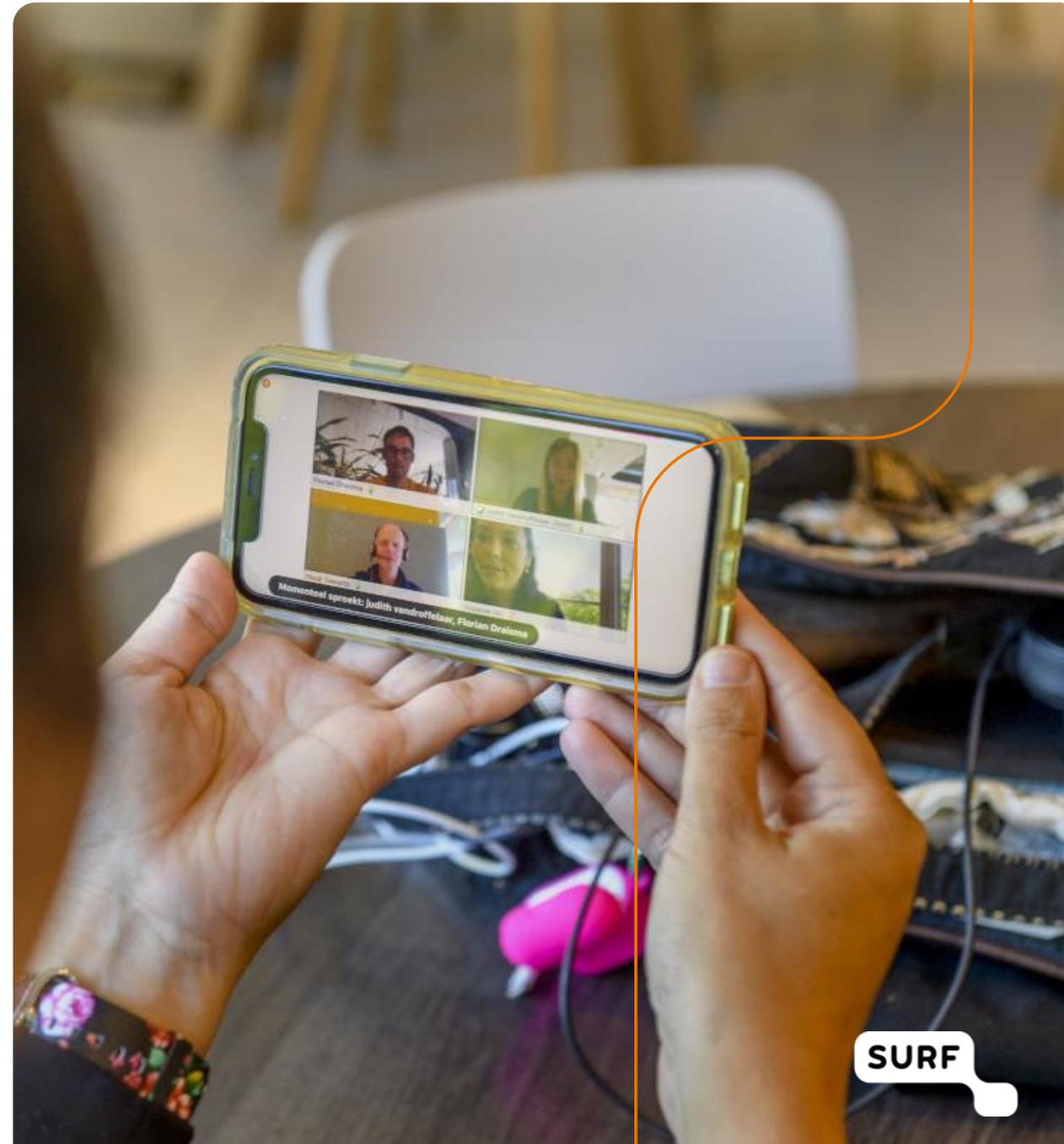


Innovation of scientific publishing and education

- New forms of services and models
 - Open Science and Open Access:
 - As of 2022, 95% of publications by Dutch authors (incl. co-authors) are OA;
 - National Programme Open Science (NPOS).
 - Acceleration Plan for Educational Innovation with IT (2019-2022);
 - National Digitisation Impulse Programme Education (2023-2030).

National Digitisation Impulse Programme Education

- Taking (back) control over education;
- Higher and Vocational Education together;
- Ambitions:
 - Agile and efficiently organized education;
 - Developing an IT-infrastructure: good and secure access to IT facilities through joint agreements;
 - Knowledge infrastructure: one source of knowledge, and local Centers for Teaching and Learning;
- Transition hubs.



Digitaliseringsimpuls Onderwijs

Voor onderwijs van wereldklasse

→ **Wendbaar en efficiënt georganiseerd onderwijs**
Digitale leermaterialen

→ **Wat merk je ervan?**

→ **Wie werken er mee?**



→ **ICT-infrastructuur**
Goede en veilige toegang tot ict-voorzieningen door gezamenlijke afspraken

→ **Kennisinfrastructuur**
Eén vindplaats voor kennis
Centers for Teaching & Learning

→ **en verder...**

Phasing of the Impulse Programme

- **Phase 1: 2023-2024**

- Foundation for the IT infrastructure and the knowledge infrastructure;
- Starting with two transformation hubs:
 - Agile and efficiently organised education;
 - Digital Learning Materials;
- The first teaching and learning centers are set up and researchers start research on their education.

- **Phase 2: 2025-2030**

- Working in transformation hubs on study data and Artificial Intelligence, teacher support, new technologies and public-private collaboration.

- **2031: World Class Education**



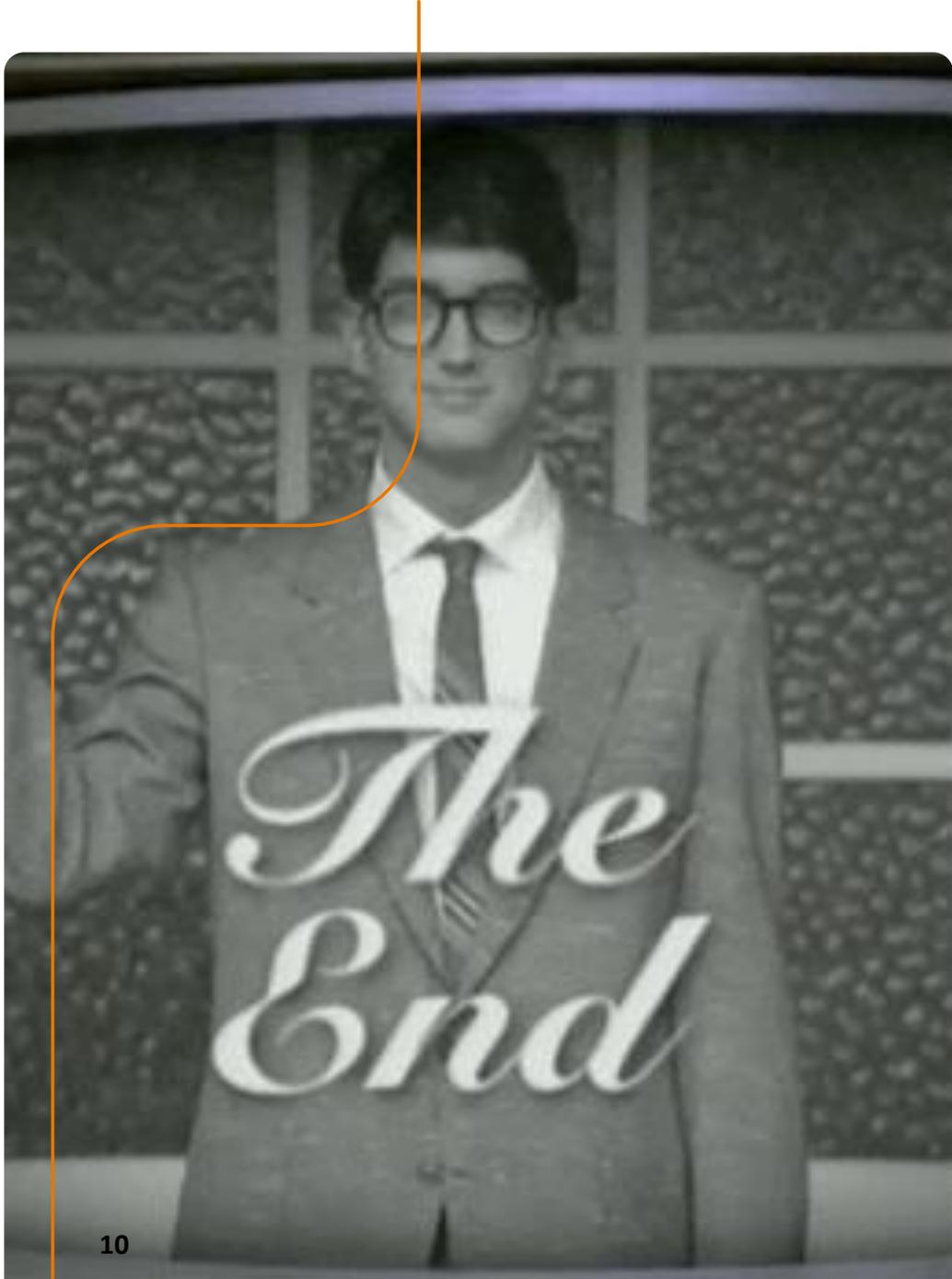
Wrap Up

- SURF as the Dutch national NREN has adopted a variety of initiatives and services aimed at improving and innovating Dutch education and research;
- Being a cooperation, SURF needs to have a clear look on keeping a balance between her role as broker and service provider, and her role as coordinator of programmes and projects for and with its members;
- The National Impulse Programme will have a profound effect on the future of education in the Netherlands.

Questions & More Information

- Answer Woerds: ans.terwoerds@surf.nl
- Pim Slot: pim.slot@surf.nl
- See also: www.surf.nl/en

THANK YOU !!



*The
End*