



# Monitoring open access

Kim Huijpen, VSNU

Association of universities in the Netherlands



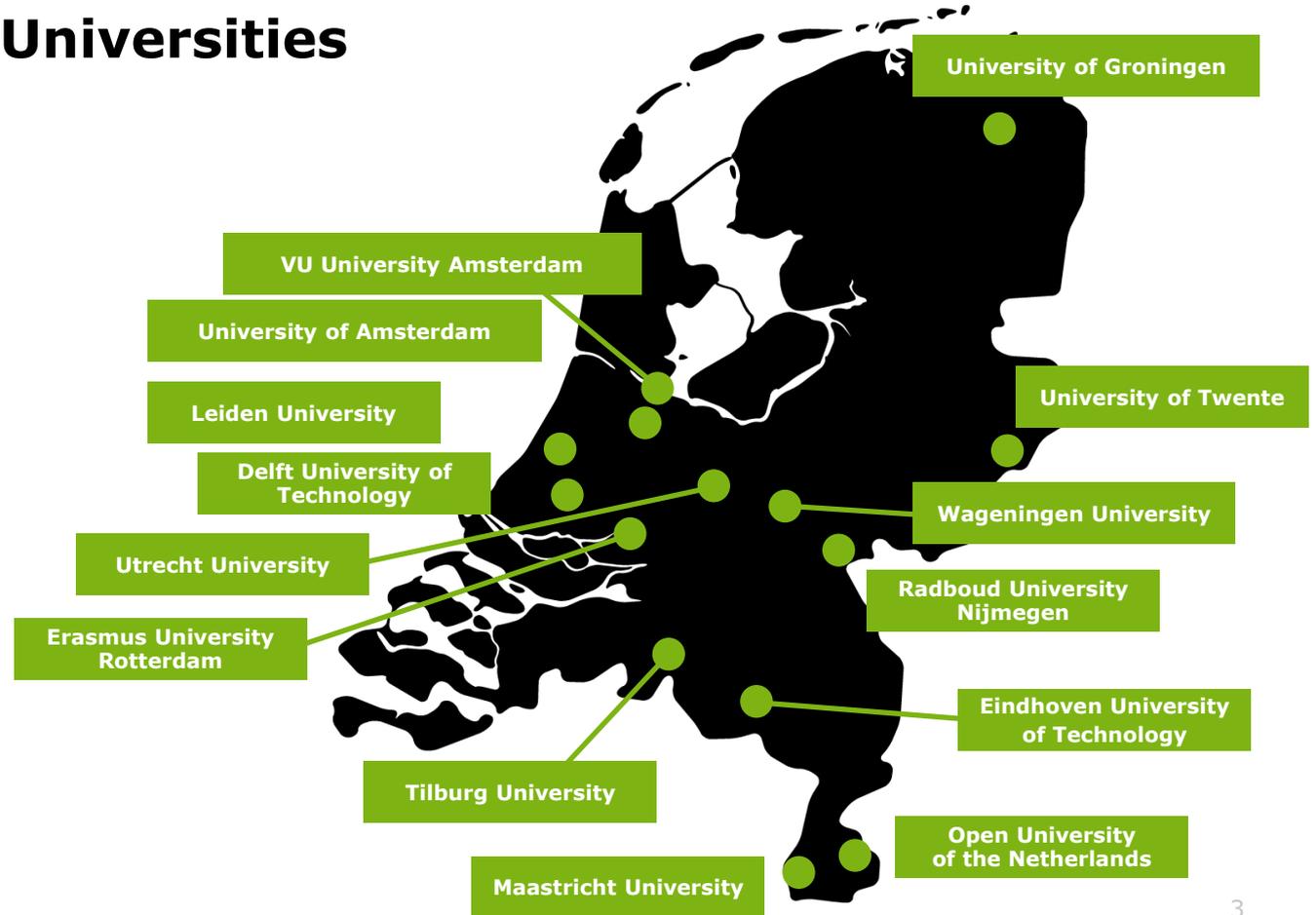


## About VSNU

- The VSNU – Association of universities in the Netherlands – is formed by the fourteen Dutch research Universities.
- VSNU represents the universities to the government, parliament, and governmental and civic organisations.
- It does so by facilitating debate, developing and disseminating common positions, contributing towards improving the reputation of the university sector, and by making strategic choices to strengthen scientific education and research in the Netherlands.



# The 14 Dutch Universities





## Overview



- Targets Dutch policy
- Baseline measurement by CWTS
- How we established the VSNU framework
- Flowchart of Dutch definitions for monitoring OA publications
- First pilots monitoring open access
- Time schedule for first measurement
- Conclusion and next steps



## Targets Dutch policy

- 2018: 60% publications open access
- 2024: 100% publications open access
- State Secretary informed Parliament that universities adapt their infrastructures to improve monitoring OA publications
- Dutch universities promised to present results for the first time after the summer of 2016



## Baseline measurement by CWTS

In the light of this policy, our Ministry of Education, Culture and Science was interested in the situation with regard to open access publishing by Dutch academics.

Therefore, the Ministry commissioned a study by CWTS in 2014 on the current situation at that time, a baseline measurement.

The next two sheets are about that study by Thed van Leeuwen (Leeuwen@cwts.nl) and colleagues.



## Defining open access in Web of Science (WoS)

**Method I:** Selecting OA output from WoS desktop interface:

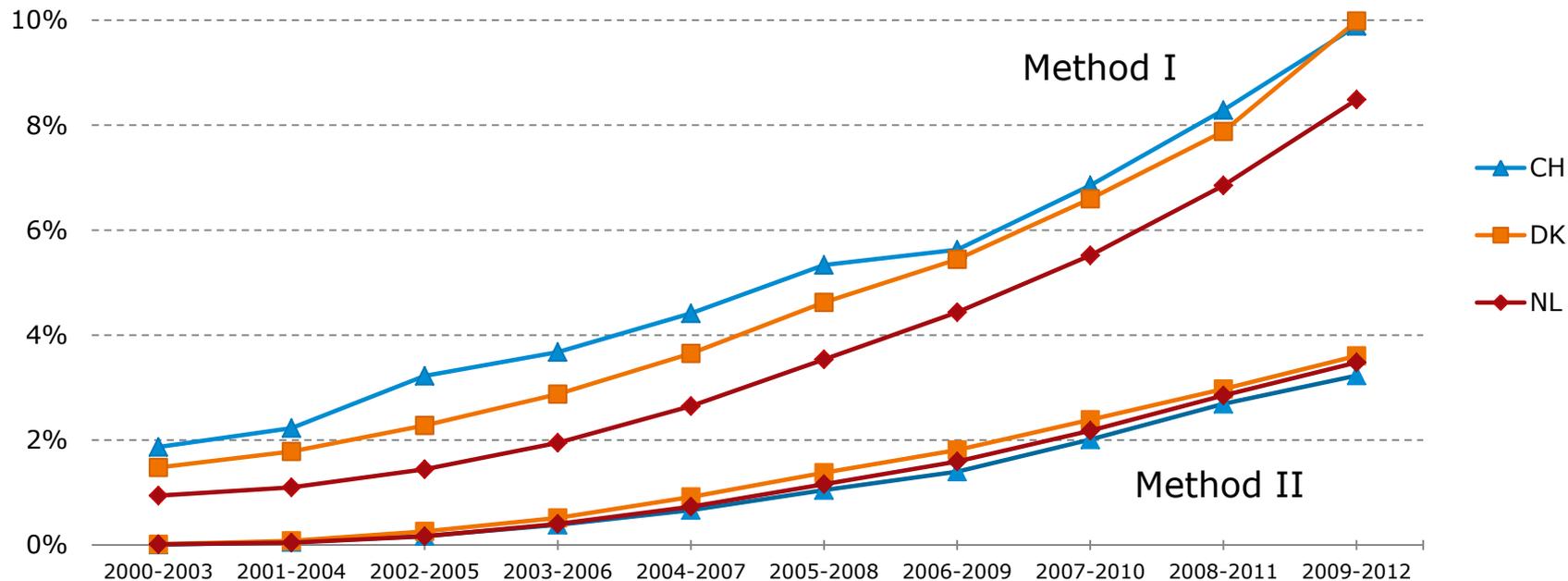
- Select and download OA output from WoS on internet
- Link that to the CWTS in-house version of WoS
- Problem here: **older papers are retroactively labeled as OA**

**Method II:** Linking the DOAJ list with CWTS WoS database:

- Select the papers from journals on the DOAJ list
- Use the DOI's to link both DOAJ and WoS to each other
- Problem here: **many older papers in WoS do not carry DOI's yet**



# OA output numbers as share of national outputs



Method I: Sharper increase in share of OA output

Method II: Slower increase, countries have more similar pattern



## VSNU Framework

- Every year, VSNU asks universities for data on scientific output according to agreed definitions (KUOZ)
- To monitor OA publications, we use KUOZ category Scientific publication: 'refereed' article in a journal (category 1a)
- Basis for the monitoring are research products registered in a CRIS
- Reference date runs parallel with KUOZ-reference date



## How we established the framework

- First: composed definitions of Open Access publications
  - No books & conference proceedings (yet)
- We agreed to divide in 'Gold, DOAJ classified', 'Gold not DOAJ classified/hybrid' & 'Green only OA' OA publications
- We tried to formulate clear-cut definitions
  - For monitoring open articles in open journals we use DOAJ
  - We have defined 'trusted repository's' by using OpenDOAR
  - We decided not to use 'libre' in our definitions



## Gold, green & hybrid

- We *redefined* 'gold', 'green' and 'hybrid'

**'Gold, DOAJ  
classified'**  
*alias category A*

*A: Open article in  
open access journal*

**'Gold not DOAJ  
classified/hybrid'**  
*alias category B*

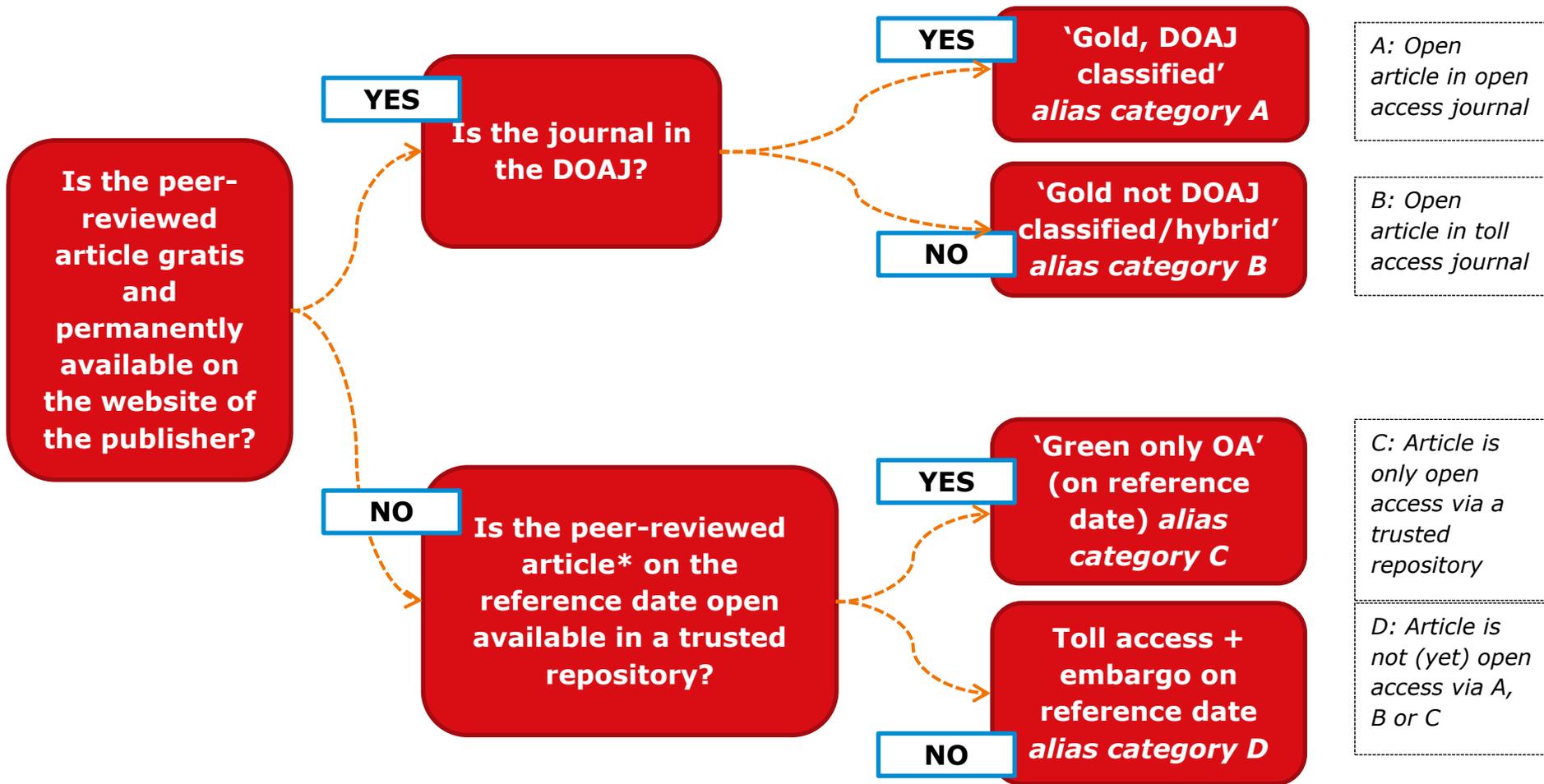
*B: Open article in  
toll access journal*

**'Green only  
OA' (on  
reference  
date)**  
*alias  
category C*

*C: Article is only  
open access via  
a trusted  
repository*

**Toll access +  
embargo on  
reference  
date**  
*alias  
category D*

*D: Article is not  
(yet) open  
access via A, B  
or C*



\* Final author version, postprint, after peer-review (if applicable), publisher version or preprint.



CRIS end data

Subset comprises non OA articles (on reference date)

End data matched with DOAJ same year



Subset matched with trusted repositories listed in OpenDOAR

Subset checked manually on OA articles in toll access journals or journals not listed in DOAJ





## Three pilots

- 3 universities carried out a pilot monitoring OA publications:
  - TU/Eindhoven with PURE
  - Leiden University with Converis
  - Radboud University Nijmegen with METIS
- Goals of the pilots
  - Discover what you encounter & sharing it with others
  - Observe how time consuming certain steps are
  - Experience how definitions we established work in practice



## Hybrid open access



- Radboud University asked Kees Reusen to program a script
- Script automates process for about 50 – 70% of subset of articles and is used by several universities



## How it works





## Example: Wiley journal articles



<http://onlinelibrary.wiley.com/enhanced/doi/10.1002/ejsp.2082>



<http://onlinelibrary.wiley.com/enhanced/doi/10.1111/1758-2229.12229>



## Timeline

- Universities are now working on the measurement of 2015
- Universities provide the numbers by 1 July to VSNU
- In September, we will present the percentages to universities and the Ministry of Education, Culture and Science



## To conclude

- Open access has the full attention now everywhere in the Netherlands
- We had an ambitious timeline for monitoring open access publications using research output registered in a CRIS
- We agreed on a definition framework for monitoring open access publications with all universities
- The first measurement will be completed after the summer of 2016



## Next steps

- Evaluation of the first measurement
- Developing a Europe-wide framework?
- ...



**Thank you for your attention**

Kim Huijpen, VSNU  
[Huijpen@VSNU.nl](mailto:Huijpen@VSNU.nl)



# References

- **Definition framework monitoring Open Access (VSNU 17 February 2016):**  
[http://www.vsnunl.nl/files/documenten/Domeinen/Onderzoek/Open%20access/Definitief%20Definition%20framework%20OA\\_VSNUNL-20160217.pdf](http://www.vsnunl.nl/files/documenten/Domeinen/Onderzoek/Open%20access/Definitief%20Definition%20framework%20OA_VSNUNL-20160217.pdf)
- **Agreed VSNU definitions on scientific output (KUOZ):**  
[http://www.vsnunl.nl/files/documenten/Feiten\\_en\\_Cijfers/Scientific\\_Research\\_Agreed\\_Definitions\\_def\\_2011\\_IRRH-20110624.pdf](http://www.vsnunl.nl/files/documenten/Feiten_en_Cijfers/Scientific_Research_Agreed_Definitions_def_2011_IRRH-20110624.pdf)
- Thed van Leeuwen, Clifford Tatum, and Paul Wouters, "Open Access Publishing and Citation Impact - An International Study", Proceedings of the ISSI Conference, 2015, Istanbul  
<http://www.issi2015.org/files/downloads/all-papers/1130.pdf>
- Thed van Leeuwen, "Bibliometric study on Dutch Open Access published output, 2000-2012/2013", Report to the Dutch Ministry of Education, Culture, and Science, 2014  
<https://www.rijksoverheid.nl/documenten/rapporten/2015/01/01/bibliometric-study-on-dutch-open-access-published-output>
- <https://doaj.org/>
- <http://www.opendoar.org/>
- **Pictures**
  - <https://www.rijksoverheid.nl/regering/inhoud/bewindspersonen/sander-dekker/foto-s>
  - [https://en.wikipedia.org/wiki/Open\\_access](https://en.wikipedia.org/wiki/Open_access)
  - <https://doaj.org/>
  - <http://bradleyboehmke.github.io/2016/01/scraping-via-apis.html>