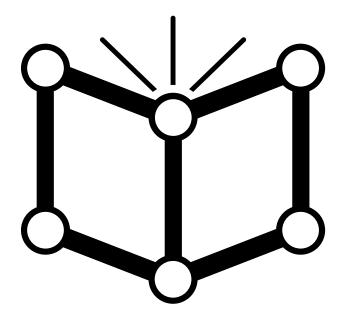
Living Textbook



Rob Lemmens

Department of Geoinformation Processing

Faculty of Geo-Information Science and Earth Observation (ITC)



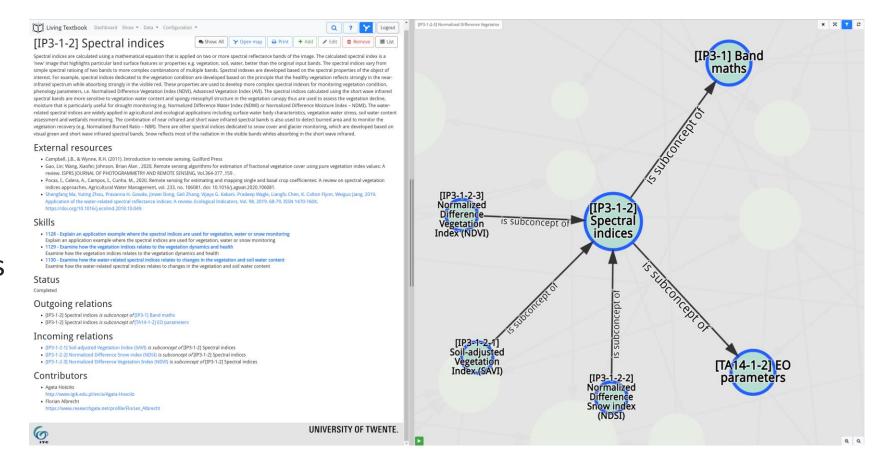
Living Textbook (LTB)

A novel way to display content digitally

Wiki + Concept map

Learners explore concepts through their relationships

Experts collaborate on representation of domain knowledge

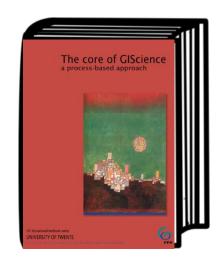


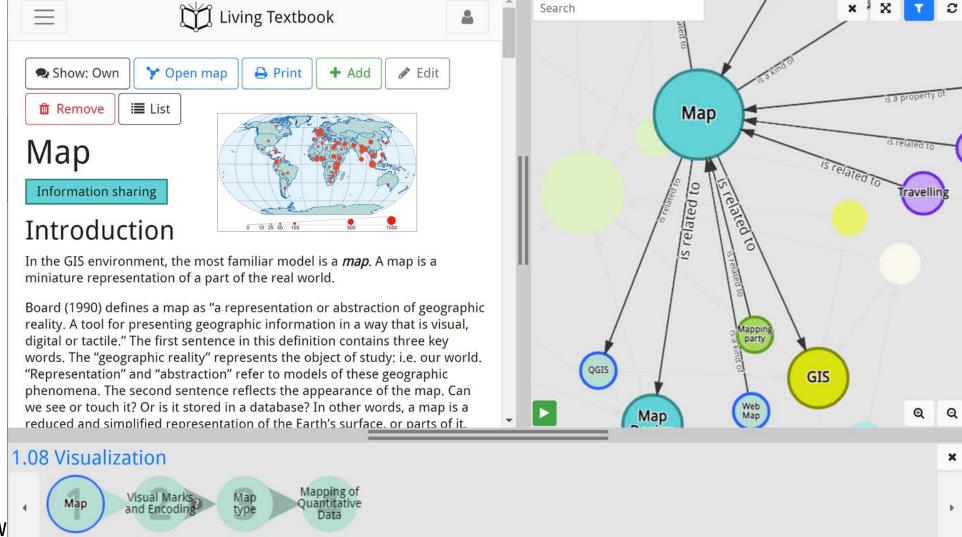


https://itc.nl/about-itc/organization/resources-facilities/living-textbook/



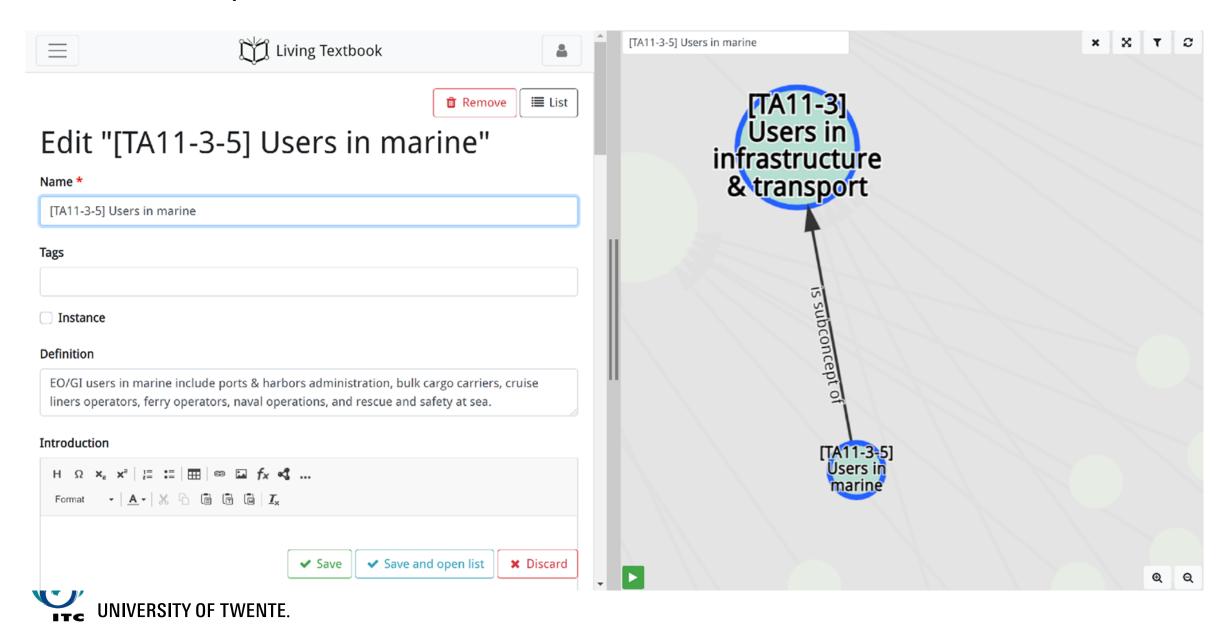
Living Textbook – course content



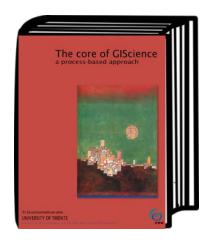


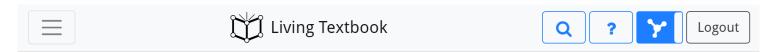


Edit concept content



Review process





Pending reviews

The submissions below are currently pending review.

Submissions from other editors

The following submissions are pending review.					· ·
Owner	Notes	Submitted at	Requested reviewer	Actions	
Augustijn, P.W.M. (ITC)	I have added a definition. This was missing in the	Mar 10, 2020, 12:28 PM	Krol, B.G.C.M. (ITC)	Q Start review	•
Adugbila, E.J. (ITC)	I submit the following to you for your review for	Jun 10, 2020, 11:44 AM	Krol, B.G.C.M. (ITC)	Q Start review	③
1					•

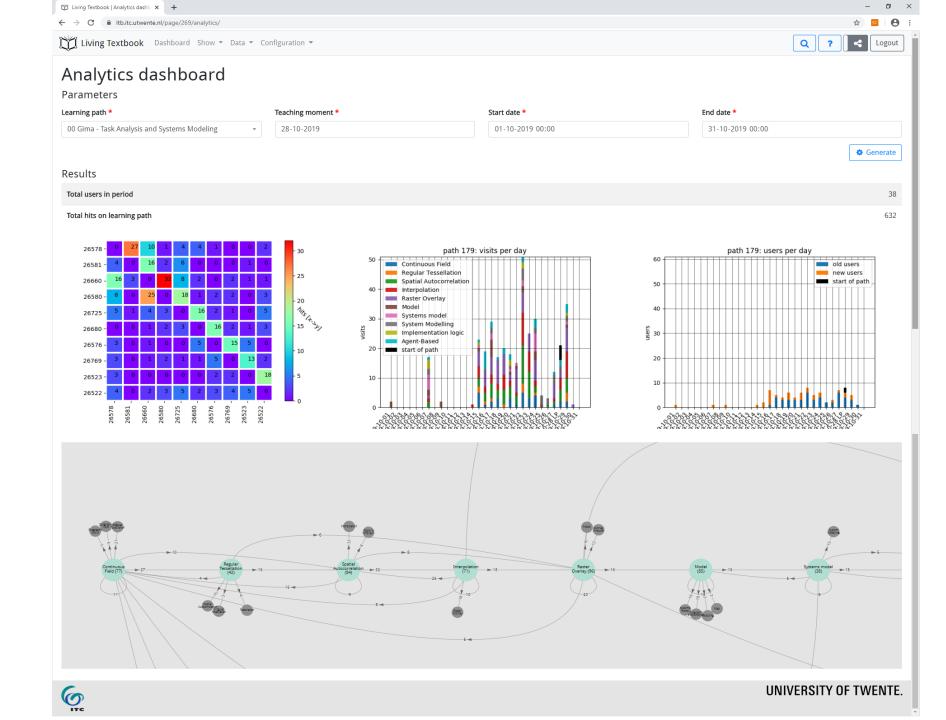


UNIVERSITY OF TWENTE.



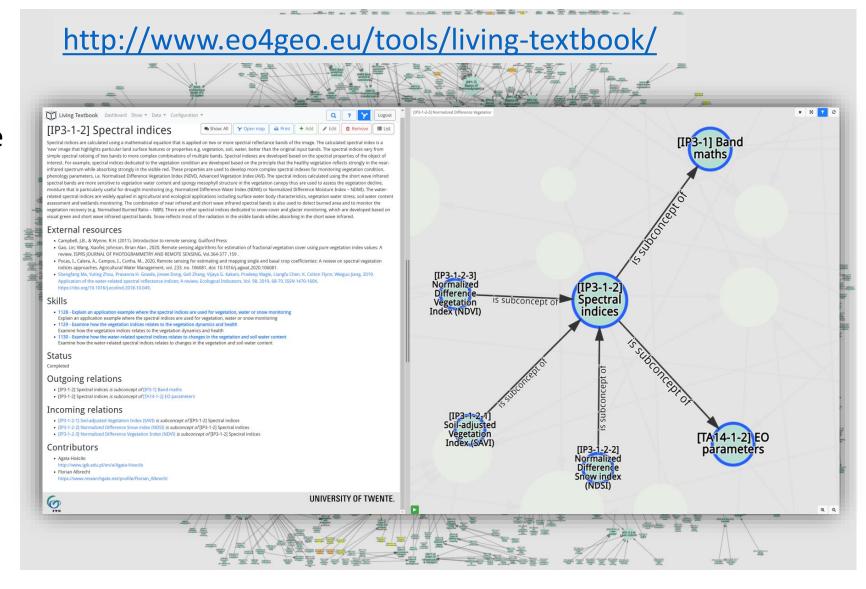
Learning analytics

(4TU project -Ellen-Wien Augustijn)



EO4GEO Body of Knowledge in LTB

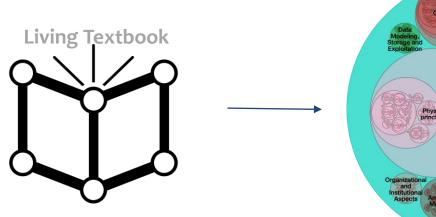
A formal description of a professional domain represented by a complete set of concepts in a structured way, including the theories, methods and technologies.

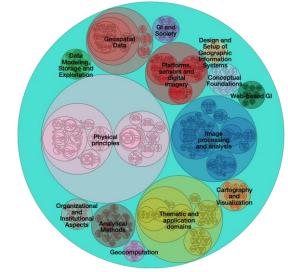




eo4geoplatform

http://bok.eo4geo.eu





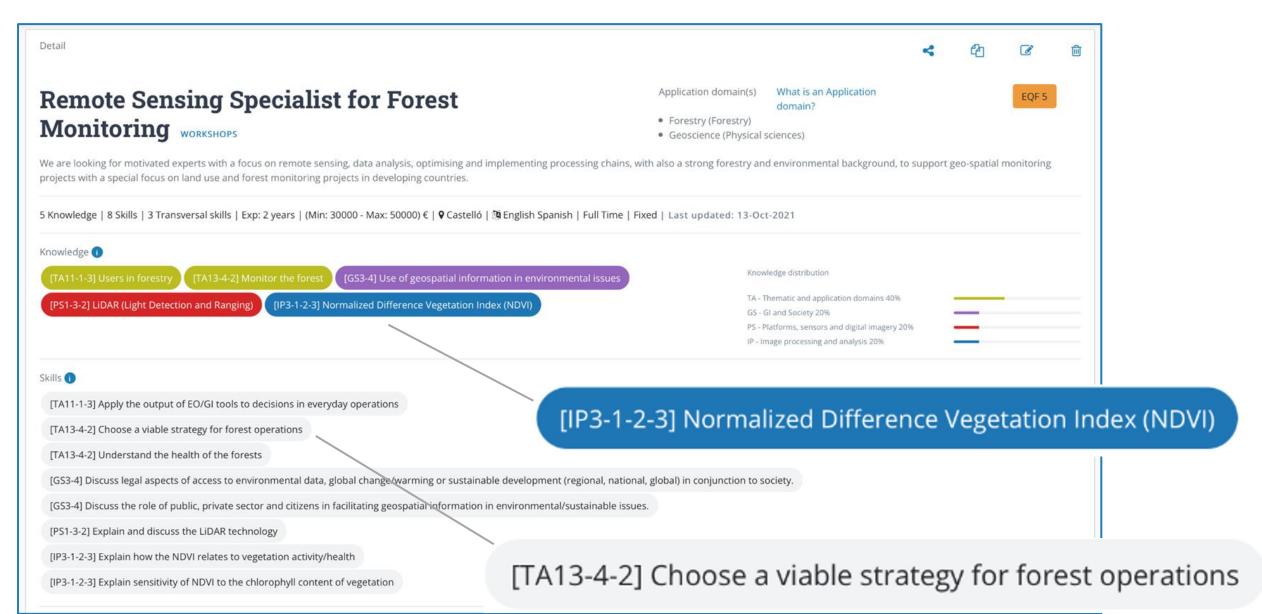


http://www.eo4geo.eu/tools/



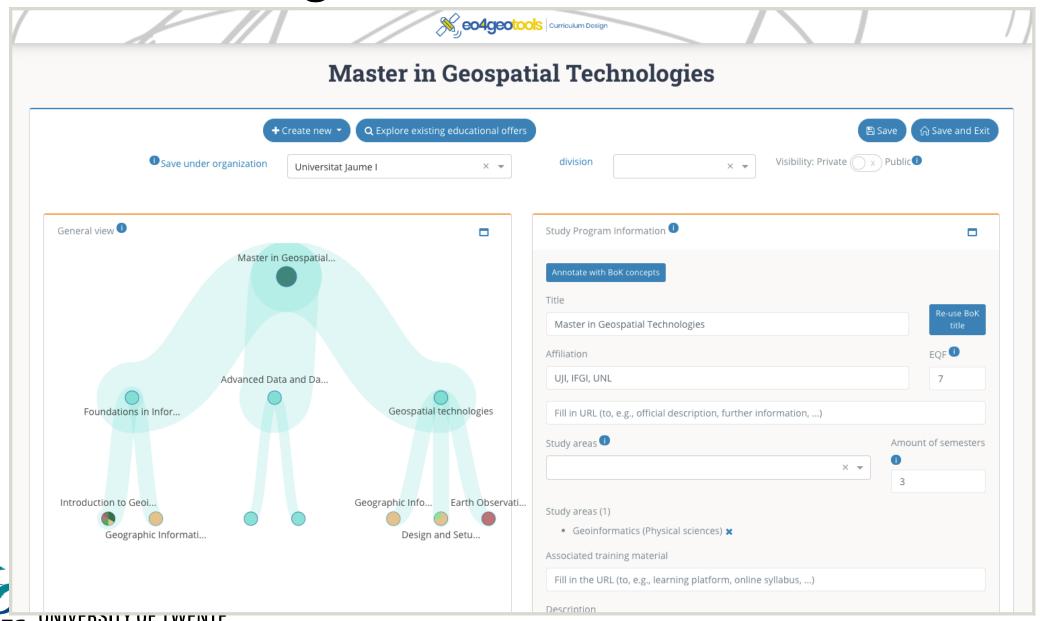


Job offer tool



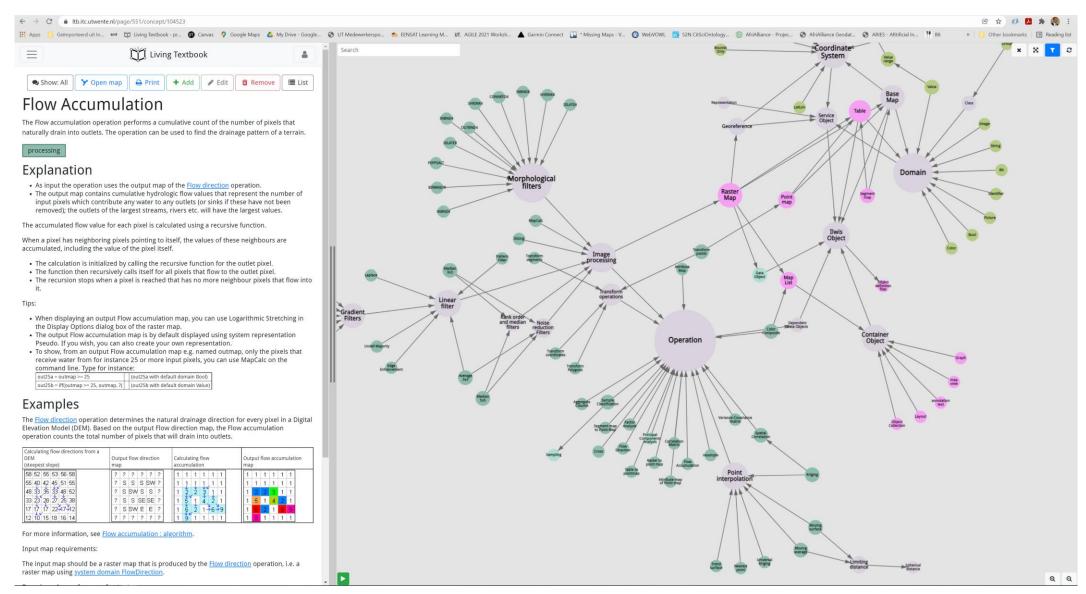
UNIVERSITY OF TWENTE. http://www.eo4geo.eu/tools/

Curriculum design tool



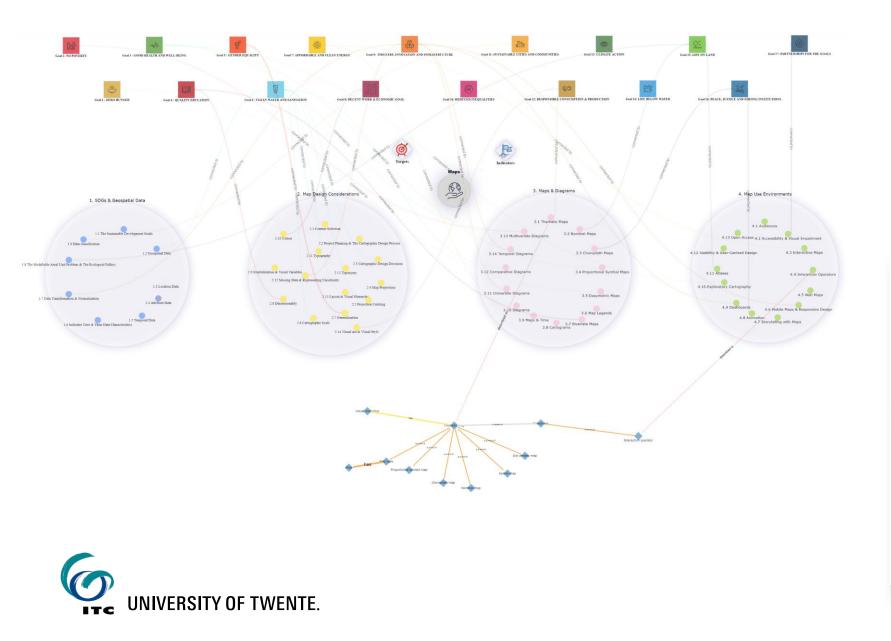
http://www.eo4geo.eu/tools/

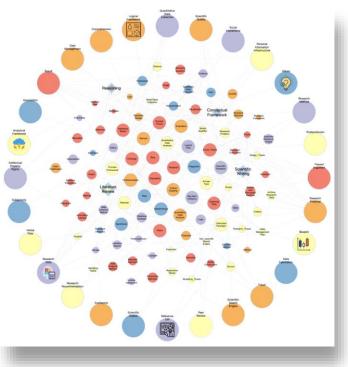
Software documentation (ILWIS)



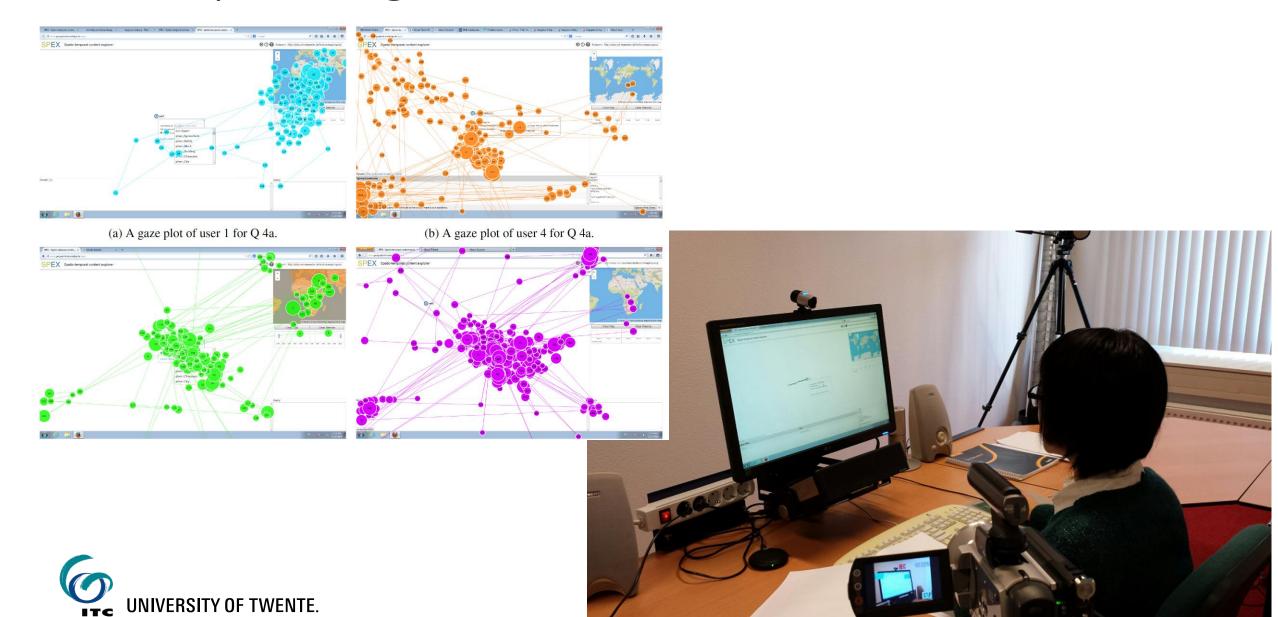


Concept map visualization 2.0





Usability testing



Development framework

Software components	Purpose		
Symfony PHP Framework	Backend implementation		
Twig	Page generation		
Bootstrap	Styling		
D3	Map animation/simulation		
LaTeX	PDF generation		
Webpack	Frontend asset build		
MariaDB SQL DB	Data storage		



Development track

- Oct 2016 Initial ideas prototype
- Oct 2017 First version Core book content
- Nov 2017 Start development by Drenso
- Nov 2019 LTB official editor of EO4GEO BoK
- Jan 2021 Launch Open content Core
- Sep 2020-22 Postdoc on visualisation
- Q3 2022 Open source release on GitHub trusted partners
- Q4 2022 Open source release on GitHub public



Living Textbook (LTB)

https://ltb.itc.utwente.nl

https://itc.nl/about-itc/organization/resources-facilities/living-textbook/

Demos open content

Living Textbook launch - The Core of GIScience 2020 https://ltb.itc.utwente.nl/page/509

EO4GEO BoK - Master - V7.0 (current BoK version) https://ltb.itc.utwente.nl/page/671

