

CWTS Graduate course "Measuring Science and Research Performance" (20-24 September 2010)

World of Science, Technology and Innovation

Monday (20/9/2010)	09.00-09.15	Ton van Raan	Welcome and opening remarks
	09.15-11.00	Ton van Raan	Science as a self-organising communication system
	11.00-11.20		Coffee/tea break
	11.20-12.10	Robert Tijssen	Applications of science in society and the economy
	12.10-12.50	Robert Tijssen	Science-innovation linkages, interfaces and interactions
	13.00 - 13.40		Lunch break (restaurant of the Faculty of Social and Behavioral Sciences, Leiden University)
	13.45-14.00	Cornelis van Bochove	The topics of science policy: bird's eye view
	14.00-14.45	Cornelis van Bochove	Data for science policy: achievements and challenges
	14.45-15.00		Coffee/tea break
	15.00-16.00	Martijn Visser	Scientific literature databases: <i>Web of Science</i> , <i>Scopus</i> , <i>Google Scholar</i>
	16.00-16.15		Coffee/tea break
	16.15-17.00	Jos Winnink	Patents and patent databases
	17.00-17.45		Concluding Q&A with today's lecturers
	18.00		Dinner (restaurant of the Faculty of Social and Behavioral Sciences, Leiden University)

Research Performance Measurements and Indicators

Tuesday (21/9/2010)	09.00-10.00	Thed van Leeuwen	The actual use of bibliometric indicators in research assessment procedures
	10.00-11.00	Rodrigo Costas	How to assess scientists? Possibilities and limitations of bibliometrics at the individual level
	11.00-11.20		Coffee/tea break
	11.20-12.10	Thed van Leeuwen	Citations in journal publications for measuring science
	12.10-12.50	Alesia Zuccala	Open Access: key strategic, bibliometric and economic aspects
	13.00 - 13.40		Lunch break (restaurant of the Faculty of Social Sciences, Leiden University)
	13.45-14.40	Ludo Waltman	CWTS' framework of performance indicators
	14.45-15.00		Coffee/tea break
	15.00-15.45	Thed van Leeuwen	Journal Impact Factors: ins and outs of journal impact measures and their implications
	16.00-16.15		Coffee/tea break
	16.15-17.00	Thed van Leeuwen	Research performance indicators for the social sciences and the humanities
	17.00-17.45		Concluding Q&A with today's lecturers
	18.00		Dinner (restaurant of the Faculty of Social and Behavioral Sciences, Leiden University)

Science Policy and Research Management contexts

Wednesday (22/9/2010)	09.00-10.00	Cornelis van Bochove	Career policy in research: review of tenure issues, review of age-performance profiles,
	10.00-11.00	Cornelis van Bochove	A simulation model of career policy and national research output
	11.00-11.20		Coffee/tea break
	11.20-12.00	Robert Tijssen	Science and technology indicators for research management and science policy
	12.00-12.30	Robert Tijssen	Research excellence: concepts and measurement models for identifying 'the best'
	12.30-12.50		Concluding Q&A with today's lecturers
	13.00 - 13.40		Lunch break (restaurant of the Faculty of Social and Behavioral Sciences, Leiden University)
	14.00-16.00		Social event - visit to a science museum in Leiden
			No evening program (individual dinner arrangements)

Mapping and Monitoring of Research Landscapes

Thursday (23/9/2010)	09.00-10.00	Ed Noyons	General introduction into science mapping
	10.00-11.00	Clara Calero	Methodology: Network analysis
	11.00-11.20		<i>Coffee/tea break</i>
	11.10-11.50	Ludo Waltman	State of the art bibliometric mapping techniques
	11.10-12.50	Nees Jan van Eck	Bibliometric mapping applications using the VOSviewer software
	13.00 - 13.40		<i>Lunch break (restaurant of the Faculty of Social and Behavioral Sciences, Leiden University)</i>
	13.45-14.30	Cornelis van Bochove	Editorial topics of Nature and Science: VosViewer mapping versus manual analysis
	14.30-15.15	Renald Buter	The practice of science mapping
	15.15-15.30		<i>Coffee/tea break</i>
	15:30-15.45	Team of today's lecturers	Practical exercises and hands-on training #1: Create your own maps with VOS viewer
	15.45-17.30	Team of today's lecturers	Practical exercises and hands-on training #2: Using maps in a 'science policy context'
	17.30-17.50		Concluding Q&A with today's lecturers and trainers
	19.30		<i>Grand dinner at a restaurant in Leiden city center</i>

Frontier Indicators

Friday (24/9//2010)	09.00-10.00	Ed Noyons	Developing a comprehensive <i>Scopus</i> journal classification scheme using bibliometric data
	10.00-11.00	Robert Tijssen	Indicators for multi-dimensional 'research excellence'
	11.00-11.20		<i>Coffee/tea break</i>
	11.20-12.10	Ton van Raan	Sleeping Beauties, University Rankings and other special topics in measurements of science
	12.10-12.50	Ton van Raan	Wrap-up (including your individual final evaluation of the course)
	13.00 - 13.45		<i>Farewell Lunch (restaurant of the Faculty of Social and Behavioral Sciences, Leiden University)</i>