



欧洲科技创新评估高端培训

——评估方法、经验与新路径

European STI Evaluation Training Programme

# 培训手册

# Training Manual

中国科技成果管理研究会  
The Association of the Management of Scientific  
and Technical Achievement of China

 国家科技评估中心  
National Center for Science & Technology Evaluation

  
Universiteit Twente  
de ondernemende universiteit

2018年11月 北京 Nov., 2018 Beijing

# 目 录

## Contents

培训须知 Notes.....	1
课程安排 Schedule.....	2
学员名单 Trainees' List.....	3
教师简介 About the Lecturers.....	7

附件：西郊宾馆平面图

Annex: Map of Xijiao Hotel

## 培 训 须 知

### Notes

#### 一、作息时间 Timetable

08:30-12:30 ( 上课, Class Period )

12:30-14:00 ( 午餐及午休, Lunch Break )

14:00-18:00 ( 上课, Class Period )

18:00-20:00 ( 晚餐及课后讨论, Dinner and Discussion )

注:个别时间段作息时间会有差异,以课程表上时间为准

Note: Final timetable for each day please refer to the course schedule.

#### 二、地点 Venue

1、上课地点: 西郊宾馆 5 号楼 2 层 荟缘厅

Class Room: Huiyuan Room, 2nd floor, Building no. 5, Xijiao Hotel

2、就餐地点: 5 号楼 2 层 赏园餐厅 ( 三餐凭券就餐 )

Dining Hall: Shangyuan Room, 2nd floor, Building no. 5, Xijiao Hotel

#### 三、会务组联系方式 Contact Person

国家科技评估中心: 鲁 露 LU Lu 18611818566

宋雨奇 SONG Yuqi 18811756502

迟婧茹 CHI Jingru 18611147040

#### 四、注意事项 Attentions

1、培训期间,学员请勿缺勤、迟到早退,有特殊情况须提前向会务组请假。

1、Please arrive on time for class, and inform the contact person if one needs to leave early or be absent.

2、上课期间,请将手机置于震动状态,勿接听电话,以免影响上课秩序。

2、Please keep your phones at vibration mode during class.

<b>课程安排 Schedule</b>				
11月5日 星期一 NOV.5, 2018 Monday	AM 上午	08:30-10:00	开班仪式 Opening Session	Prof. / Dr. Stefan Kuhlmann 陈兆莹教授/ Prof. Chen Zhaoying
		10:00-10:35	课程概述 Course Overview	Dr. Gonzalo Ordonez
		10:50-12:30	科技评估的演变 Evolution of Research Evaluation	Prof. / Dr. Stefan Kuhlmann
	PM 下午	14:00-16:00	开展一项评估活动；从目标到设计和集体作业 1 Initiating an evaluation; From Objectives to Design & Exercise I	Prof. / Dr. Erik Arnold
		16:15-18:00	评估方法概述 Overview of Evaluation Methods	Dr. Gonzalo Ordonez
11月6日 星期二 NOV.6, 2018 Tuesday	AM 上午	08:30-10:15	集体作业 1 的展示和讨论 Report & Discuss exercise I	Prof. / Dr. Erik Arnold
		10:30-12:30	评估科研的影响 Evaluating Impacts of Research	
	PM 下午	14:00-16:00	社会影响评估/加强公共科研机构的影响力 Evaluation of Social Impacts Strengthening the Impact of Public Research Organisation	Prof. / Dr. Stefan Kuhlmann; Prof. / Dr. Erik Arnold; Dr. Gonzalo Ordonez
		16:15-18:00	集体作业 2：结合多种方法进行评估 Exercise II: Combining methods in evaluation	Dr. Gonzalo Ordonez
11月7日 星期三 NOV.7, 2018 Wednesday	AM 上午	08:30-10:15	集体作业 2 的展示和讨论 Report & Discuss exercise II	Dr. Gonzalo Ordonez
		10:30-12:30	组织同行和专家评议 Organizing Peer and Expert Review	Prof. / Dr. Erik Arnold
	PM 下午	14:00-16:00	系统评估 Towards System Evaluation	Prof. / Dr. Erik Arnold
		16:15-18:00	案例分析 1 Case Study I	Prof. / Dr. Erik Arnold
11月8日 星期四 NOV.8, 2018 Thursday	AM 上午	08:30-10:15	战略规划评估 Strategic Planning Evaluation	陈兆莹教授 Prof. Chen Zhaoying
		10:30-12:30	由数据得出结论 Drawing Conclusion from Data	Dr. Gonzalo Ordonez
	PM 下午	14:00-16:00	案例分析 2 Case Study II	Prof. / Dr. Stefan Kuhlmann
		16:15-18:00	集体作业 3：从评估数据到政策结论 Exercise III -From Evaluation Data to Policy Conclusions	Prof. / Dr. Stefan Kuhlmann; Dr. Gonzalo Ordonez
11月9日 星期五 NOV.9, 2018 Friday	AM 上午	08:30-10:15	集体作业 3 的展示和讨论 Report & Discuss exercise III	Prof. / Dr. Stefan Kuhlmann; Dr. Gonzalo Ordonez
		10:30-12:30	评估的政策应用 Policy Uses of Evaluation	Prof. / Dr. Stefan Kuhlmann
	PM 下午	14:00-16:00	科研评估的未来 Future of Research Evaluation	Prof. / Dr. Stefan Kuhlmann 陈兆莹教授/ Prof. Chen Zhaoying
		16:15-18:00	课程回顾，学员反馈，颁发证书 Closing Ceremony	所有老师 All

## 学员名单 Trainees' List

序号	单 位	姓 名	职 务	联系方式
1	上海科技咨询有限公司 Shanghai S&T Consulting Co.Ltd	汤进华 TANG Jinhua	科技管理工程师 S&T Manager	13916353869
2	广东省技术经济研究发展中心 Guangdong R&D Center for Technology Economy	张志强 ZHANG Zhiqiang	副主任/研究员 Deputy Director General/Professor	13825166018
3	广东省技术经济研究发展中心 Guangdong R&D Center for Technology Economy	郑秋生 ZHENG Qiusheng	副部长 Deputy Director	13570454213
4	广东省技术经济研究发展中心 Guangdong R&D Center for Technology Economy	孙 娟 SUN Juan	部长助理/助理研究员 Director Assistant	13570597866
5	广东省技术经济研究发展中心 Guangdong R&D Center for Technology Economy	李侠广 LI Xiaguang	部长助理/助理研究员 Director Assistant	13533382795
6	广东省技术经济研究发展中心 Guangdong R&D Center for Technology Economy	李金惠 LI Jinhui	副所长//助理研究员 Deputy Director	13760811317
7	新疆科技发展战略研究院 Xinjiang Academy of S&T for Development	陈 玲 CHEN Ling	副院长/高工 Deputy Dean	13199859636
8	新疆科技发展战略研究院 Xinjiang Academy of S&T for Development	刘 洁 LIU Jie	评估室主任/助研 Director of Evaluation	15999156920
9	新疆科技发展战略研究院 Xinjiang Academy of S&T for Development	李 鹏 LI Peng	评估室副主任/助研 Deputy Director of Evaluation	19990313303
10	北京科学学研究中心 Beijing Research Center for Science of Science	李海丽 LI Haili	副研究员 Associate Researcher	13671164788
11	北京科学学研究中心 Beijing Research Center for Science of Science	蔡志刚 CAI Zhigang	工程师 Engineer	13601068664
12	北京科学学研究中心 Beijing Research Center for Science of Science	陈海燕 CHEN Haiyan	助理研究员 Assistant Researcher	18210568390
13	北京科学学研究中心 Beijing Research Center for Science of Science	曹 静 CAO Jing	助理研究员 Assistant Researcher	13683010560

14	太原科技大学 Taiyuan University of Science and Technology	刘晋霞 LIU Jinxia	副教授 Associate Professor	13753109073
15	南京工业大学 Nanjing Tech University	管国锋 GUAN Guofeng	部长/教授 Director/Professor	13505195196
16	南京工业大学 Nanjing Tech University	周 治 ZHOU Zhi	副处长/副研究员 Deputy Director	13776676767
17	中国科学技术信息研究所 Institute of Scientific and Technical Information of China	刘 蔚 LIU Wei	助理研究员 Assistant Researcher	18811585052
18	科技部高技术中心 High Tech Research Development Center, MoST	李旭彦 LI Xuyan	副研究员 Associate Researcher	13810138078
19	教育部科技发展中心 S&T Development Center, MOE	刘昕民 LIU Xinmin	评审与评价部负责人 Head of Dept. of Assessment & Evaluation	13581947048
20	教育部科技发展中心 S&T Development Center, MOE	游 丹 YOU Dan	助理研究员 Assistant Researcher	13810122213
21	中国气象局气象干部培训学院 Cadre Training institute of China Meteorological Administration	马春平 MA Chunping	主任/研究员 Director General/ Professor	15110109528
22	军事科学院评估论证研究中心 Evaluation Demonstration Research Center, CAM	游翰霖 YOU Hanlin	助理研究员 Assistant Researcher	13051027292
23	国家科技评估中心 National Center for Science and Technology Evaluation	万玉民 WAN Yumin	研究员 Researcher	13641048495
24	国家科技评估中心 National Center for Science and Technology Evaluation	高 健 GAO Jian	副研究员 Associate Researcher	18811555907
25	国家科技评估中心 National Center for Science and Technology Evaluation	米浦春 MI Puchun	评估主管 Evaluation Manager	17501055234
26	国家科技评估中心 National Center for Science and Technology Evaluation	郭 嘉 GUO Jia	助理研究员 Assistant Researcher	13683195363

27	国家科技评估中心 National Center for Science and Technology Evaluation	张仪帆 ZHANG Yifan	评估主管 Evaluation Manager	15301104005
28	国家科技评估中心 National Center for Science and Technology Evaluation	孟 璐 MENG Lu	研究实习员 Research Assistant	18210681091
29	国家科技评估中心 National Center for Science and Technology Evaluation	冯 洁 FENG Jie	研究实习员 Research Assistant	18810908937
30	国家科技评估中心 National Center for Science and Technology Evaluation	胡亚伟 HU Yawei	研究实习员 Research Assistant	18810908937
31	国家科技评估中心 National Center for Science and Technology Evaluation	乔丽娟 QIAO Lijuan	研究实习员 Research Assistant	18810490100
32	国家科技评估中心 National Center for Science and Technology Evaluation	孙晓琦 SUN Xiaoqi	研究实习员 Research Assistant	15810757381
33	国家科技评估中心 National Center for Science and Technology Evaluation	李天宇 LI Tianyu	研究实习员 Research Assistant	15652463016
34	国家科技评估中心 National Center for Science and Technology Evaluation	董红霞 DONG Hongxia	评估主管 Evaluation Manager	15010587656
35	国家科技评估中心 National Center for Science and Technology Evaluation	宋应登 SONG Yingdeng	评估主管 Evaluation Manager	13811682197
36	国家科技评估中心 National Center for Science and Technology Evaluation	赵志华 ZHAO Zhihua	评估主管 Evaluation Manager	18910962783
37	国家科技评估中心 National Center for Science and Technology Evaluation	侯珊珊 HOU Shanshan	评估主管 Evaluation Manager	13691111606
38	国家科技评估中心 National Center for Science and Technology Evaluation	冯雨菲 Feng Yufei	研究实习员 Research Assistant	15652992457
39	国家科技评估中心 National Center for Science and Technology Evaluation	魏亚运 WEI Yayun	研究实习员 Research Assistant	18819461026
40	国家科技评估中心 National Center for Science and Technology Evaluation	李子愚 LI Ziyu	研究实习员 Research Assistant	17611706091

41	埃及国家研究中心 National Research Centre, Egypt	Dr. Mohamed Ibrahim Mohamed ElAnwar	监督评估部主管 Supervisor of Monitoring and Evaluation office	
42	埃及科学研究与技术应用所 City for Scientific Research and Technology Application, Egypt	Dr. Walaa Mohamed Sheta.	信息学研究院院长 Dean of Informatics Research Institute	
43	西奥多-比尔哈兹研究所 Theodor Bilharz Research Institute, Egypt	Prof. Ibrahim Rabia Baiomy Aly	秘书长 General Secretary	
44	埃及石油研究所 Egyptian Petroleum Research Institute EPRI	Prof. Elshafie Ahmed M. Gad	教授 Prof. of Petroleum & Petrochemicals	
45	埃及科技发展基金 Science & Technology Development Fund, Egypt	Ms. Sarah Maged Roshdy Sadek	策划及监察专家 Planning and Monitoring Specialist	
46	埃及国家海洋与渔业研究所 The National Institute of Oceanography & Fisheries, Egypt	Ms. Walaa Fattouh abou El-fetouh	信息、文件和决策支持 中心官员 Information, Documenttion and Decision support Centre	



## 教师简介 About the Lecturers

### **Prof. / Dr. Stefan Kuhlmann**

欧洲科研创新政策研究论坛前主席；荷兰 Twente 大学科技政策研究学院主任；德国弗劳恩霍夫协会系统与 innovation 研究所前所长；欧洲委员会第七框架计划后评估高级专家组成员；德国评估协会创始委员会成员；专注于科技与社会发展的治理和技术创新，有近 30 年科学研究、创新体系和政策分析经验。

Chair of the Department of Science, Technology, and Policy Studies (ST&PS) and leader of the Twente Graduate School programme “Governance of Knowledge and Innovation”. He is an Editor of Research Policy and incoming (as from 2018) Academic Director of the Netherlands Graduate School of Science, Technology and Modern Culture, WTMC.

For more than 35 years Stefan Kuhlmann has been involved in studies of research and technological innovation as social and political processes – with changing entrance points and perspectives.

### **Prof. / Dr. Erik Arnold**

欧洲顶级科技咨询公司 Technopolis 集团主席兼创始人；荷兰 Twente 大学国际创新政策学院教授；OECD 国家创新体系评估组成员；中国国家自然科学基金国际评估专家组成员；专注于各种研究创新、高等教育政策、政府公共治理和区域经济发展评估，已开展 30 多个国家或国际组织委托的逾 200 项评估和研究工作。

Erik Arnold is co-founder and Chairman of the Technopolis Group and Adjunct

Professor in research policy at the Royal Institute of Technology (KTH), Stockholm. He has worked in research and innovation policy and evaluation since 1980, covering work in a wide range of disciplines handling research and innovation policy. His work spans over 30 countries as well as the European Commission and a range of international organisations including the OECD, World Bank, Nordic Council of Ministers, ESF and COST. He is expert in the design, management and implementation of large- as well as smaller-scale evaluations of research and innovation organisations, programmes and policies. He has particular expertise in integrating peer review and social-scientific evaluation methods.

### **陈兆莹 研究员/ Prof. Chen Zhaoying**

国家科技评估中心研究员，前副主任；联合国开发计划署评估办公室(UNDP EO)顾问组成员。1994 年开始从事科技评估，主持完成了 20 多项国家科技计划、重大项目及战略政策的评估，其中获部级科技进步一等奖、二等奖各一项。联合国、世界银行等国际组织的评估咨询专家，包括 2010-2012 期间，由联合国秘书长任命，担任联合国“一体行动”战略改革的评估专家组成员。专注于公共 R&D 评估、科技战略和政策的综合评估及发展评估。

Prof. Chen Zhaoying is currently a high-level adviser of the National Centre for Science and Technology Evaluation (NCSTE), which is the leading organization in the field of evaluation in China. As a founder, Prof. Chen was the Deputy Director General of NCSTE (1997–2010). She has 20 years of practical experience in evaluation with a specific focus on public policy domains and has completed over 25 evaluations as a team leader. She has worked in advisory roles for multilateral organizations and Chinese government, notably as a member of the Evaluation Management Group for UN Evaluation of “Delivering-As-One” (2011-2012), a member of the High-level

Advisory Panel for the Fifth and Third Overall Performance Study of the GEF (2012, 2005), and an evaluation adviser of Chinese government (e.g. Ministry of Supervision, Ministry of Finance, Ministry of Agriculture, Minister of Health). She was elected as a board member of the International Development Evaluation Association (IDEAS) in 2002. Prior to the start-up of NCSTE in 1997, she worked in National Research Centre for S&T Development and Institute of Automation of Chinese Academy of Sciences. She received her master's degree in system engineering from the Graduate School of Chinese Academia of Sciences in 1981.

### **Dr. Gonzalo Ordóñez Matamoros**

美国乔治亚理工大学技术评估中心副研究员；荷兰 Twente 大学科技政策研究院助理教授；曾就职于哥伦比亚国家创新与科学政策局、哥伦比亚科学基金会；联合国开发计划署、美洲开发银行等国际组织咨询专家；专注于科技创新政策设计、绩效和影响评估。

Dr. Gonzalo Ordóñez-Matamoros is Professor and Researcher at the Centro de Investigaciones y Proyectos Especiales–CIPE at the faculty of Finance, Government and International Relations of the Universidad Externado de Colombia (UEC) in Bogota; Assistant Professor and researcher at the Department of Science, Technology, and Policy Studies–STePS of the Twente University in the Netherlands; and Research Associate at the Technology Policy and Assessment Center–TPAC of the Georgia Institute of Technology in Atlanta.

### 附件：西郊宾馆示意图

## Annex: Map of Xijiao Hotel



