CONFERENCE SUMMARY REPORT

4th **World Conference on Research Integrity**

BRAZIL, RIO DE JANEIRO
May 31-June 3, 2015

4th WORLD CONFERENCE ON RESEARCH INTEGRITY

Research Rewards and Integrity:
Improving Systems to Promote Responsible Research

May 31-June 3, 2015

CONFERENCE SUMMARY REPORT

TABLE OF CONTENTS

1.INTRODUCTION

The **4th World Conference on Research Integrity** (**4WCRI**) was held between **May 31 and June 1, 2015**, at the Convention Center Windsor Barra, **Rio de Janeiro**, **Brazil**, http://wcri2015.org/congress-venue.html. The conference was supported by sponsors and contributors from all over the world. There was considerable support and cooperation from **Brazilian funding agencies**, such as the **Coordination for the Improvement of Higher Education Personnel** (CAPES), the **Charlos Chagas Filho Foundation for Research Support in the State of Rio de Janeiro** (FAPERJ), **São Paulo Research Foundation** (FAPESP), and the **National Council for Scientific and Technological Development** (CNPq). In Brazil, the 4WCRI was also supported by the **Brazilian Association of Scientific Editors** (ABEC), **Brazilian Society for the Advancement of Science** (SBPC), the **Brazilian Academy of Sciences**, and many other public and private institutions (http://www.wcri2015.org/sponsors.html).

With respect to registrations, 641 people registered (with 300 from Brazil), and over 470 delegates attended the meeting. According to the conference records, the distribution of 4WCRI registrants and attendees was as follows (Table 1):

Table 1 – Registration and attendance according to country of origin

COUNTRIES	REGISTERED	ATTENDEES
Albania	1	-
Australia	14	13
Austria	1	1
Bangladesh	1	-
Belgium	12	9
Botswana	1	-
Brazil	300	211
Canada	28	24
Chile	1	1
China	9	4
Colombia	2	1
Croatia	3	3
Denmark	7	7
Estonia	1	1
Finland	2	2
France	10	9
Germany	7	6
Ghana	6	-
Guatemala	1	1
Hong Kong	3	3
India	3	1
Indonesia	2	-
Iran	2	1
Iraq	2	-
Ireland	2	2
Italy	3	1
Japan	10	10

Jordan	1	-
Kazakhstan	1	-
Kenya	1	1
Malaysia	2	1
Mexico	3	2
Netherlands	17	16
Nigeria	7	1
Norway	24	24
Pakistan	1	1
Peru	1	1
Poland	1	-
Portugal	2	2
Qatar	1	1
Russia	2	1
Saudi Arabia	17	11
Serbia and Montenegro	1	1
Sierra Leone	1	-
Singapore	4	3
Slovenia	2	2
South Africa	10	7
South Korea	4	3
Spain	1	-
Sudan	1	-
Switzerland	2	2
Taiwan	5	5
Tanzania	1	-
Turkey	1	-
Ukraine	1	-
United Kingdom	27	25
USA	64	52
Zimbabwe	1	-
	641	473

The conference opening was attended by the president of **CAPES**, Carlos Nobre; the representative of the **Brazilian National Council for Research Ethics** (CONEP), Claudio Stefanoff; the president of **SBPC**, Helena Nader; the **president of the Brazilian Academy of Sciences**, Jacob Palis; the scientific director of FAPERJ, Jerson Lima Silva; the coordinator of social and human sciences for FAPESP, Luiz Henrique Lopes dos Santos; the member of the International Relations Committee of the **Federal Council of the Brazilian Bar Association**, Ricardo Bacelar; and the head of the Division of Science and Technology, Brazilian Ministry of Foreign Relations, **Ademar Seabra da Cruz Junior**. The opening ceremony had a special welcome from the co-chairs Melissa Anderson, professor at the **University of Minnesota**, and Sabine Kleinert, executive editor of **The Lancet;** and from the local co-chair, Sonia Vasconcelos, associate professor at the **Federal University of Rio de Janeiro** (UFRJ).

Figure 1- Luiz Henrique L dos Santos, Jerson Lima da Silva, Helena Nader, Ademar Seabra da Cruz Jr, Claudio Stefanoff, Sabine Kleinert, Melissa Anderson, Carlos Nobre, Sonia Vasconcelos, Jacob Palis, Ricardo Bacelar

Figure 2- (Front Row) Jose R Lapa e Silva, Luiz Henrique L dos Santos, Marisa Russo Lecointre, Nils Axelsen, Edson Watanabe, Marisa Palacios, Hatisaburo Masuda, Helena Nader, Jerson Lima da Silva, Martha Sorenson, Claude Pirmez

With a focus on the health of the research environment and of the research literature, the theme of the **4WCRI** was **Research Rewards and Integrity: Improving Systems to Promote Responsible Research.** The conference addressed a variety of topics relevant to the main theme, including specific questions about the research system at large, such as research assessment, funding, metrics, and indicators of research output.

2. CONFERENCE HIGHLIGHTS:

Among the many issues raised at the4WCRI, the role of research integrity in assessing the quality of research as well as the reward mechanisms adopted by research systems in various countries had an important place, http://www.icsu.org/freedom-responsibility/research-integrity/pdf-images/WCRI_2015_CFRS_Symposium.pdf.

Figure 3- (Upper) – Mary Bullock; (Lower) – Carthage Smith

The **4WCRI** also addressed contemporary questions about the reliability of the scientific literature, reproducibility initiatives and their relationship with publication ethics, http://www.nature.com/news/sluggish-data-sharing-hampers-reproducibility-effort-1.17694. The conference also provided an overview of the types and development of institutional initiatives to handle research misconduct, including consideration of legal issues, such as

confidentiality during investigations, and other peculiarities that influence research integrity actions in different science and technology systems,

http://ori.hhs.gov/blog/ori-global-scene-update-4th-world-conference-research-integrity.

Figure 4- Zoe Hammatt

The **4WCRI** promoted a reflection on the role of research integrity in the very structure of contemporary science, addressing cultural practices in its publication system, current ethical challenges in peer review and its consequences regarding the reliability of the research record, http://www.equator-network.org/2015/06/09/equator-makes-a-splash-in-rio/; http://www.sspnet.org/scholarlykitchen/podcast/transcripts/20150715_tsk_podcast_transcript.pdf. Speakers and delegates could broaden the scope of the perceptions of best practices among researchers and funders, including the responsible use of resources for doing research, http://www.equator-

network.org/wp-content/uploads/2015/06/Plenary-on-Waste_WCRI_2-June-Liz-Wager.pdf .

Figure 5- (Upper) – Elizabeth Wager; (Lower left) – Chris Graf; (Lower right) – Charlotte Haug

The schedule of the **4WCRI** was quite busy, with an extensive program, http://www.wcri2015.org/4WCRI_Program_at_Glance.pdf, **and the activities started even before the formal opening of the event.**

4th WORLD CONFERENCE ON RESEARCH INTEGRITY
Research Rewards and Integrity: Improving Systems to Promote Responsible Research

SUNDAY, MAY 31

Time					
9h00 - 19h00	Registration open (Foyer Aranjuez)				
9h00 - 17h00	WORKSHOP AND DOCTORAL FORUM				
12h30 - 17h00	ORI Workshop on handling research misconduct allegations in a global context (Segovia I)	Doctoral Forum (Segovia II)	WORKSHOP AND EDUCATION TRACK		
			Education Track (Itamaraty)	COPE Workshop for editors (Starts at 13h30) (Segovia III)	
18h00 - 19h00	PLENARY A (Segovia I, II, III)				
19h00 - 20h30	RECEPTION (Foyer on Second Floor)				

MONDAY, JUNE 1

Time							
8h00 - 17h00	Registration open (Foyer Aranjuez)						
9h00 - 10h30	PLENARY B (Segovia I, VII, III)						
10h30 - 11h00	Break (Alhambra)						
11h00 - 12h30	CONCURRENT SESSIONS 1-5A AND PARTNER SYMPOSIUM A						
	1. Countries' systems and policies to foster research integrity (Alvorada I)	2. Examples of research integrity education programmes in different countries (Segovia IV)	3. The research environment and policies to encourage research integrity (Alvorada II)	4. Expressions of concern and retractions (El Pardo I)	5. Funders' role in fostering research integrity (El Pardo II)	5A: Education: For whom, how, and what? (Segovia I, II, III)	Partner Symposium A Organized by EQUATOR (Itamaraty)
13h00 - 14h15	Lunch (Queluz)						
14h15 - 15h45	FOCUS TRACKS ON IMPROVING RESEARCH SYSTEMS			EDUCATION TRACK		PART. SYMPOSIUM B	
	The role of funders (Alvorada I)	The role of countries (Segovia I, II, III)	The role of institutions (Alvorada II)	Education Track (Itamaraty)		Partner Symposium B Organized by EMBO (Segovia IV)	
16h00 - 17h30	PLENARY C (Segovia I, II, III)						
17h30 - 18h00	Break (Alhambra)						
18h00 - 19h30	CONCURRENT SESSIONS 6-10 AND PARTNER SYMPOSIUM C						
	6. Country examples of research reward systems and integrity (Alvorada I)	7. Education and guidance on research integrity: Country differences (Alvorada II)	8. Measuring and rewarding research productivity (Segovia IV)	9. Plagiarism and falsification: Behaviour and detection (El Pardo I)	10. Codes for research integrity and collaborations (El Pardo II)	Partner Symposium C Organized by ENRIO (Itamaraty)	
19h45 - 20h30	POSTER SESSIONS						
	A: Authorship and publication ethics (Alvorada I)	B: Education, training, promotion and policy (Alvorada II)	C: Ethics and integrity intersections (Segovia I, II, III)	D: International perspectives (Segovia IV)	E: Perspectives on misconduct (El Pardo I)	F: Views from the disciplines (El Pardo II)	

PROGRAM AT A GLANCE

TUESDAY, JUNE 2						
8h00 - 17h00	Registration open (Foyer Aranjuez)					
9h00 - 10h30	PLENARY D (Segovia I, II, III)					
10h30 - 11h00	Break (Alhambra)					
11h00 - 12h30	CONCURRENT SESSIONS 11-15 and PARTNER SYMPOSIA D&E					
	11. Countries' efforts to establish mentoring and networks (Alvorada I)	12. Training and education in research integrity at an early career stage (Alvorada II)	13. Systems and research environments in institutions (Segovia IV)	14. Peer review and its role in research integrity (El Pardo I)	15. Research ethics and oversight for research integrity: Does it work? (El Pardo II)	Partner Symposium D Organized by IEEE (Segovia I, II, III)	Partner Symposium E Organized by ICSU (Itamaraty)
13h00 - 14h15	Lunch (Queluz)					
14h15 - 15h45	FOCUS TRACKS ON IMPROVING RESEARCH SYSTEMS			EDUCATION TRACK	PARTNER SYMPOSIA F&G	
	The role of funders (Alvorada I)	The role of countries (Segovia I, II, III)	The role of institutions (Alvorada II)	Education Track (Itamaraty)	Partner Symposium F Organized by Online Resource Center (Segovia IV)	Partner Symposium G Organized by CCS (El Pardo I)
16h00 - 17h30	PLENARY E (Segovia I, II, III)					
17h30 - 18h00	Break (Alhambra)					
18h00 - 19h30	CONCURRENT SESSIONS 16-20 AND PARTNER SYMPOSIUM H					
	16. Research integrity in Europe (Alvorada I)	17. Training programs for research integrity at different levels of experience and seniority (Alvorada II)	18. Research and societal responsibility (Segovia IV)	19. Publication ethics (El Pardo I)	20. The causes of bad and wasteful research: What can we do? (El Pardo II)	Partner Symposium H Organized by ORI, Universitas 21 & Asia Pacific RI Network (Segovia I, II, III)
20h00 - 22h30	GALA DINNER WITH SAMBA SHOW (Queluz)					

WEDNESDAY, JUNE 3							
8h00 - 11h00	Registration open (Foyer Aranjuez)						
9h00 - 10h30	PLENARY F (Segovia I, II, III)						
10h30 - 11h00	Break (Alhambra)						
11h00 - 12h30	CONCURRENT SESSIONS 21-25 AND PARTNER SYMPOSIUM I						
	21. Are there country-specific elements of misconduct? (Alvorada I)	22. Research integrity teaching programmes and their challenges (Alvorada II)	23. Commercial research and integrity (Segovia IV)	24. The interface of publication ethics and institutional policies (El Pardo I)	25. Reproducibility of research and retractions (El Pardo II)	Partner Symposium I Organized by COPE (Segovia I, II, III)	
13h00 - 14h15	Lunch (Queluz)						
14h15 - 15h45	PLENARY G (Segovia I, II, III)						
16h00 - 17h30	CONCURRENT SESSIONS 26-30 AND PARTNER SYMPOSIUM J						EDUCATION TRACK
	26. Research integrity and specific country initiatives (Alvorada I)	27. Responsible conduct of research and country guidelines (Alvorada II)	28. Behaviour, trust and honesty (Segovia IV)	29. Reporting and publication bias and how to overcome it (El Pardo I)	30. The research environment and its implications for integrity (El Pardo II)	Partner Symposium J Organized by Litewka/Heitman (Segovia I, II, III)	Education Track (Itamaraty)
17h45 - 18h30	PLENARY H (Segovia I, II, III)						

On May 31 (Sunday), there were **three workshops and a Doctoral Forum**. **These pre-conference workshops and the Doctoral Forum** were held for the first time in the WCRI. Overall, these activities attracted over 230 participants. **The Doctoral Forum provided an opportunity for PhD students working on a research integrity-related**

theme to get advice from an international panel of specialists. Aiming to provide a friendly and supportive environment for the PhD students to share ideas and talk openly about their studies and concerns, attendance to this session was limited to accepted applicants (10) and the panel of experts. The **Excellence in Doctoral Research Award**s, as well as registration fees for participants, were sponsored by **The Wellcome Trust. The awards were granted to four winners**, http://www.wcri2015.org/excellence-in-doctoral-research-award.html, who were announced at the Gala Dinner on Tuesday, June 2:
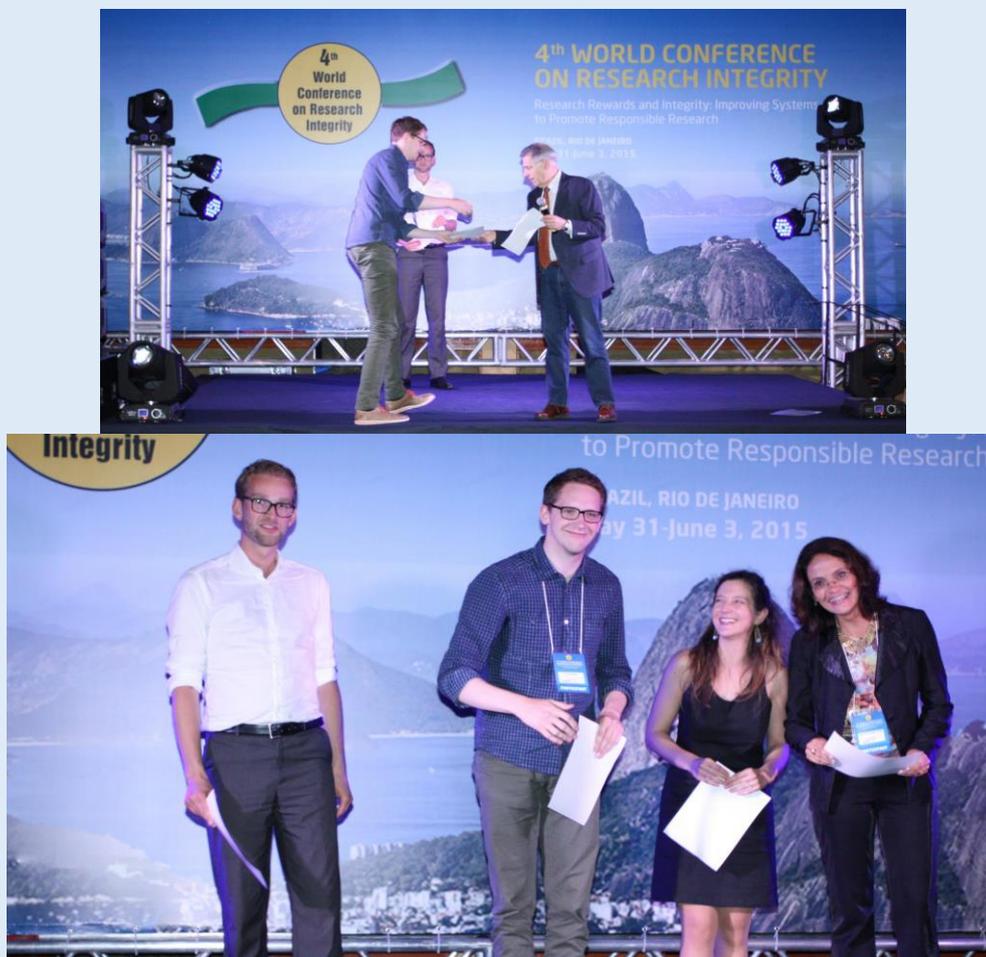
Figure 6 - (Upper) – Sander van den Bogert and Chris Hartgerink receiving Doctoral Forum Award from Nick Steneck; (Lower) Sander van den Bogert; Chris Hartgerink; Rita Faria; Christiane C Santos

They were PhD students from The Netherlands, Portugal and Brazil:

Chris Hartgerink [Supervisors: Dr. Marcel van Assen and Dr. Jelte Wicherts]**, Tilborg University, The Netherlands** - *awarded for the development and reflective analysis of unique tools to detect data fabrication and falsification*; **Christiane Santos** [Supervisor: Dr. Sonia Vasconcelos], **Federal University of Rio de Janeiro, Brazil** - *awarded for expanding the study or research integrity to high school students and the systems that begin researcher training*; **Rita Faria** [Supervisors: Dr. Cândido da Agra & Dr. Amadeu Recasens i Brunet]**, University of Porto, Portugal -** *awarded for creative and critical use of theory for understanding research behavior*; **Sander van der Bogert** [Supervisor: Dr. Patrick Souverein & Dr. Lex Bouter] **– Utrecht University, The Netherlands** - *awarded for identification and creative use of clinical research records to identify selective reporting.*

On the day of the announcement, the **4WCRI** gala dinner, the venue was fully packed, and it was a great opportunity for a social interaction and networking among participants!

31 May-3 Jun, 2015

4th
World
Conference
on Research
Integrity

Brazil, Rio de Janeiro

www.wcri2015.org

Figure 7- Tony Mayer, Lex Bouter, Melissa Anderson, Sabine Kleinert, Nick Steneck (in front of Sonia Vasconcelos), Edson Watanabe, Martha Sorenson

4th
World
Conference
on Research
Integrity

Brazil, Rio de Janeiro

Figure 8- Gala Dinner

Figure 9- Samba Show

At the end of the event, participants were asked to make a critical assessment of the 4WCRI.

Figure 10- Tony Mayer

Here we highlight some of the comments from participants who responded to a post-conference survey:

3. COMMENTS FROM PARTICIPANTS:

Please note what you liked best about the conference:

"The way the research complexity was addressed".

6/9/2015 11:49 PM

"Some excellent presentations with good ideas to take back to my university".

6/9/2015 11:00 PM

"The networking".

6/9/2015 10:40 PM

"Working groups, ORI workshop".

6/9/2015 10:38 PM

"International expertise International attendees (great to be a session with people from all over the world) Representatives from major publishers (Nature, Science), funding agencies (NSF) and industry (J and J) Focus Groups were great opportunities (need to have one per day to allow attendance at each) Well organized Multiple plenary speakers and topics Focus groups".

6/9/2015 9:57 PM

"the program was very interesting with some rounds, workshops, education track and it was possible to make the best combination of themes. I had like the speakers. ORI is fundamental. The lunch was very good".

6/9/2015 9:37 PM

"High quality of some of the presentations. The location! Being across the street from a great beach was just magical".

6/9/2015 9:37 PM

"Being able to network for future collaboration Topics deliberated are relevant to my job".

6/9/2015 9:15 PM

"The program and everything".

6/9/2015 9:05 PM

"The Scientific Program was very interesting and the speakers really presented innovation and a wide range of point of views. I could realize that many of the problems we face in Brazil are just the same as in other countries and not only the good results and succefully experiences were presented: the challenges and the fails are as important as the conquests and opportunities and make the difference when it comes to a special forum where we can share knowledge and experiences. I attended the Education Track and another interesting point was that its speakers also presented in other sessions, so that who weren't at the course had the opportunity to attend their presentation".

6/9/2015 9:02 PM

"To me the conference was a true success, I enjoyed every moment! very professional organisation, people from various backgrounds and countries, excellent venue, great quality speakers, opportunities for discussion and networking. I also appreciated the break out sessions to brainstorm on specific topics".

6/10/2015 4:24 AM

 "Well organized, interesting sessions and good networking opportunities".

6/10/2015 3:48 AM

"Focus track: intensive and interactive exchange of ideas".

6/10/2015 3:47 AM

"The overall organisation was perfect! Most of the speakers were outstanding and the topics covered were apt. Handling of the conference by Eventus was particularly commendable. The registration and certification processes were without stress".

6/10/2015 2:59 AM

"The Plenary sessions offered opportunities to follow the discussions and the sessions well enough. The focus tracks were well organised and managed to come up with working solutions from a diverse rage of people with different expertise".

6/10/2015 2:57 AM

"The amazing quality of the speakers and their respective talks. The opportunity to share experiences, best practices, doubts and concerns with the most prestigious researchers in scientific integrity".

6/15/2015 7:50 PM

"The Conference was very interesting, dealing with subjects of academic, scientific, professional and social relevance. For me, it was very important to discuss the main problems and tendencies regarded to responsible conduct on research. It was possible to share a gradient of points of view of lecturers, speechers, mediators from countries of all continents".

6/15/2015 2:15 PM

"Learning the most recent global and regional issues. As I am not a specialist in research integrity, this is an excellent opportunity for making new friends, networking and to bench mark global trends and requirements for the needs of our institution".

6/15/2015 12:05 PM

Please suggest improvements for the next conference:

"I can not think of any significant improvement. This was my first participation and it was much above what I expected".

6/9/2015 8:00 PM

"The days were too long! Almost too much content crammed into each day. The poster presentations were way too late in the day and therefore not well-attended. Instead of only 15 minutes - I would have liked a full 60-90 minutes on some of the

concurrent session topics. I realize it is difficult - but keynote speakers should be fluent in the language in which they are presenting. Some were very difficult to understand. Dinner groups or suggestions for restaurants nearby the conference venue would be helpful".

6/9/2015 7:58 PM

"Provide proceedings of the works presented, at least in digital form. You may also provide the presentations if authorized by the Authors".

6/11/2015 9:04 PM

"I would like to discuss integrity in others discipline like humans science (I do Philosophy and Biology) and I think is Time to give more place also for the integrity in the social science) Maybe we could also to talk about integriy, conflit interet in the field of genre because everybody knows the problems that womem have in the lab, and this also create problems of integrity".

6/11/2015 4:00 PM

"I'm a researcher so of course I'd like to see some more research presented".

6/11/2015 3:40 PM

"Explicit delineation of comparisons between disciplines. It's across disciplines but there isn't much that helps us compare yet".

6/11/2015 3:37 PM

"Extend the conference for one more day!".

"1. The program should be more flexible. 2. To consider that some participants do not live in the conference venue, the final session of each day should be ended earlier (at around 18:00.) 3. Please make sure that Wi-Fi is work".

6/16/2015 10:24 PM

"It would be very useful to have a social event for all participants beyond the conference venue. Perhaps a short sightseeing tour may be also involved".

6/16/2015 8:43 PM

"too many concurrent sessions with related talks made it difficult to hear everything I would have liked".

6/16/2015 5:59 PM

"That has simultaneous translation. With some speakers had trouble follows them".

6/16/2015 1:03 PM

"Decrease short oral communications and increase posters Many short presentations were poor".

6/16/2015 12:56 PM

"It was a good platform for international discussions and exchange of information. The setting was very nice, the food excellent (I have to do some sport now to like by BMI again) It would have been nice, if the abstract5s of the contributions would have been available, if possible before the congress started. Is there a way to diminish parallel events?".

6/12/2015 10:08 AM

"Leave comments period open longer, and allow more time for submitting abstracts. I am traveling until July with spotty internet connectivity, which makes it very difficult to meet June deadlines. I would have liked to have attended both the education track and the pre-conference session for publishers, which was impossible due to scheduling overlap".

"Greater involvment of instiutional leaders, although I recognise that this is not easy".

6/16/2015 5:36 AM

"No late evening poster sessions - unfair on poster presenters when so few attend".

6/16/2015 2:05 AM

"I would like to have much more about challenges in the social sciences and the humanities with respect to research integrity".

6/17/2015 5:07 AM

"Too much overlap between seminars, symposia, breakout sessions and sometimes even plenaries because of repeated speakers in all sessions (e.g. Nature publisher, Equator, publication ethics More interactive format of breakout sessions/symposia/seminars Unequal quality of plenaries Improved (social)interactions between participants because difficult given high number and next to zero social programme during 4-day conference...".

6/17/2015 3:08 AM

Finally, the success of the **4WCRI** in Rio was due in no small part to the engagement of the local organizing committee, the co-chairs, international committee members, speakers, and delegates, and of the many representatives of Brazilian academia that attended the event.

The next WCRI will be held in Amsterdam in 2017, on 28-31May https://nrin.nl/wp-content/uploads/2015/01/5WCRI-slide.jpg.

_____

4WCRI Organizing Committee, http://www.wcri2015.org/organizing-committee.html

4WCRI Advisory Board,

http://www.wcri2015.org/advisory-board.html

4WCRI Speakers, http://www.wcri2015.org/speakers.html