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**XXXIX GENERAL ASSEMBLY
(Reporting on 2016)**

December 2017 (January 2018), Internet



Proposed Agenda

- Report by the President
- IUR management updates
- Status of IUR activities
- Financial report and budget
- Outline of the programme for 2017
- Any other business



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Report by the President



Main lines of the current IUR activities

Some of the activities that had occurred during the year 2016

- Networking and dialogue
- Brainstorming and communicating new ideas and approaches
- Organizing and promoting seminars, workshops and conferences
- Courses and training



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FOCUS

- **IUR Regional Forum "Strengthening Radioecology in the Asia-Pacific" Bali, Indonesia - 4 September 2016**
The SPERA Conference was held in cooperation with the Indonesian National Nuclear Energy Agency (BATAN) and the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) and the 2nd International Conference on the Sources, Effects and Risks of Ionizing Radiation (SERIR). Following the International Workshop on « Worldwide Harmonization of Radioecology Networks » hosted by the IUR in Aix en Provence, France, in June 2014, dedicated to initiate the establishment of a IUR Global FORUM, this joint-Conference in Asia provided an opportunity to hold a « IUR Regional Forum ».
- **Congressional Briefing "The role of Radioecology in National Security", Capitol Hill, Washington DC (USA) - 6 October 2016**
One main goal was to attract the attention of high level politicians to the need for re-allocating substantial funds to radioecology research and development in the US. IUR was invited to give a lecture addressing “Radioecology and our future: Radioecology’s contribution to preserving ecosystem health” (by F. Bréchignac).
- **AERC-IUR workshop on "Integration of Ecosystem Science Research into Radioecology of the Nuclear AgeEnvironmental radioactivity", Aiken, South Carolina, USA - 2-5 October 2016**
AERC (Association of Ecosystem Research Centers) and IUR (International Union of radioecology) decided to hold a joint Workshop, where a broad audience of radioecologists, ecosystem ecologists and toxicologists has been invited to brainstorm on a better integration of ecosystem science into radioecology. The goal of the workshop was to facilitate networking of scientists working in the areas of radioecology and ecosystem research and to produce a white paper for publication stemming from recommendations generated at the event



Challenges ahead for IUR

- Strengthening the FORUM network (currently 16 member networks) with new international initiatives – Hold the 2^d FORUM Meeting in 2018
- Broadening scientific linkage to sister organisations dealing with environmental risk (UNEP, SETAC,...) to support the development of Ecological Risk Assessment concepts, tools and expertise
- Prepare for organizing the Arctic and Antarctic International Conference in 2018
- Further developing an ecosystem approach to support Environmental Risk Assessment with view on relating ecological impacts of radiation to loss of ecosystem services and life support functions
- Initiate proper conceptualization of human and environment integrated risk assessment to orient R&D developments best suited to adapted regulatory applications
-



Main directions for the IUR strategy

- Networking and broadening
- Building an ecocentric vision for environmental protection
- Chronic exposure of ecosystems to low doses of multiple stressors



More information available at:

- Proceedings of the 2nd International Conference on Radioecological Concentration Processes, 6-9 November 2016 - Seville, Spain (invited lecture « Strategy for Radioecology in the 21st Century » by F. Bréchignac)
- « Radioecology in 2017: The IUR vision to guide developments » on www.iur-uir.org



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Management updates



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Membership

~ 1500 registered members in the data base

About 600 active members (annual fee contribution during the last 5 years) from more than 30 countries for the year 2016

New members

23 in 2014

18 in 2015

22 in 2016

Dedicated IUR secretariat assistance

Web maintenance, members management, communication, marketing, workshops organisation
(Armelle Guilloux, armelle.guilloux@ellipseco.fr)



Active Task Groups

Recently launched

- Asian-Oceanian Radioecology network, Forum regional branch (G. Hirth, H. Tsukada)
- Radioecology in arid regions (N. Semiochkina, G. Voigt) IUR/IAEA
- Ecosystem approach to EP (F. Bréchnac, C. Bradshaw) Joint CERAD-IUR
- Ring of Five (O. Masson)

With on-going activities during the past years

- Non-lethal methods for measuring contaminants burden in wildlife (M. Wood)
- Radioecology in a multipollution context (H. Vandenhove) IUR/IAEA
- Biota transfer parameters for EP (D. Copplestone) IUR/IAEA
- Arctic and Antarctic Regions (M. Dowdall)
- Radioecology and waste (M. Thorne)
- Speciation (B. Salbu)



Communication, web site

Through its website, IUR provides a useful and interactive communication tool improving the dissemination of information, and serving the radioecology community at large.

- IUR Web site visibility (approx. 7000 visits per month)
- JER affiliated to IUR (formal agreement) + Preferential subscription E-Journal (10 subscriptions in 2016...)
- A number of advertisements: Job alerts, conference and workshops, etc... upon request
- Continuous flow of requests for books and reports published by IUR...



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Posting job alerts

- 6 job alerts in 2015 and 2016
- Different PhD topics in 2016
 - terrestrial radioecology
 - radioecology

Teaching and Training courses

- IUR involved and supporting the European master in Radioecology
- IUR invited at the US Congress to defend the case for the maintenance of Radioecology expertise and teaching in USA (Congressional Briefings, Washington DC, October 2016)
See presentation at: <http://www.ecosystemresearch.org/2016-meeting/Brechignac.pdf>





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Conferences Co-organized/sponsored by IUR

RANC-2016 - 1st International Conference on Radioanalytical and Nuclear Chemistry
10-16 April, 2016 - Budapest, Hungary

JpGU Meeting 2016 - Japan Geoscience Union Meeting
22-26 May 2016 - Chiba-city, Japan

SPERA-2016 and SERIR-2, joint Conference
5-9 September 2016 - Bali, Indonesia

NORM VIII 2016 - Naturally Occurring Radioactive Materials Symposium
18-21 October 2016 - Rio de Janeiro, Brazil

2nd International Conference on Radioecological Concentration Processes
6-9 November 2016 - Seville, Spain



IUR invited at International Conferences to share its strategy and vision for the future

- CERAD Conference - [Oslo, Norway, February 2016](#) (IUR Research priorities)
- 2^d International Conference on Radioecological Concentration - [Seville, Spain, November 2016](#) (IUR Strategy, Plenary invited lecture)
- INSINUME 2017 - 7th International Symposium on IN Situ NUClear METrology as a tool for radioecology [Ohrid, Macedonia, April 2017](#)
- Panel on Impacts of Low Level Exposure to Radiation on Ecosystems - [Athens, Greece, May 2017](#)
- ENVIRA 2017 - 4th International Conference on Environmental Radioactivity - [Vilnius, Lithuania, 29 May-2 June 2017](#)
- RAD 2017 - 5th International Conference on Radiation and Applications in Various Fields of Research - [Budva, Montenegro, June 2017](#)
- ICRER 2017 - 4th International Conference on Radioecology & Environmental Radioactivity - [Berlin, Germany, September 2017](#)
- IUR Workshop - Radiobiology meets Radioecology - [Essen, Germany, September 2017](#)
- EU NORM 2017 Symposium - [London, UK, October 2017](#)



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IUR Seminars and Workshops

- IUR Regional Forum - Strengthening Radioecology in the Asia-Pacific (joint to SPERA-2016 and SERIR-2) - [Bali, Indonesia, September 2016](#)
- IUR-AERC Workshop on Integration of ecosystem science into radioecology of the nuclear age - [Aiken, South Carolina, USA, October 2016](#)

Rewardings, prices and grants from IUR

IUR “V.I. Vernadsky” Award (senior scientists)

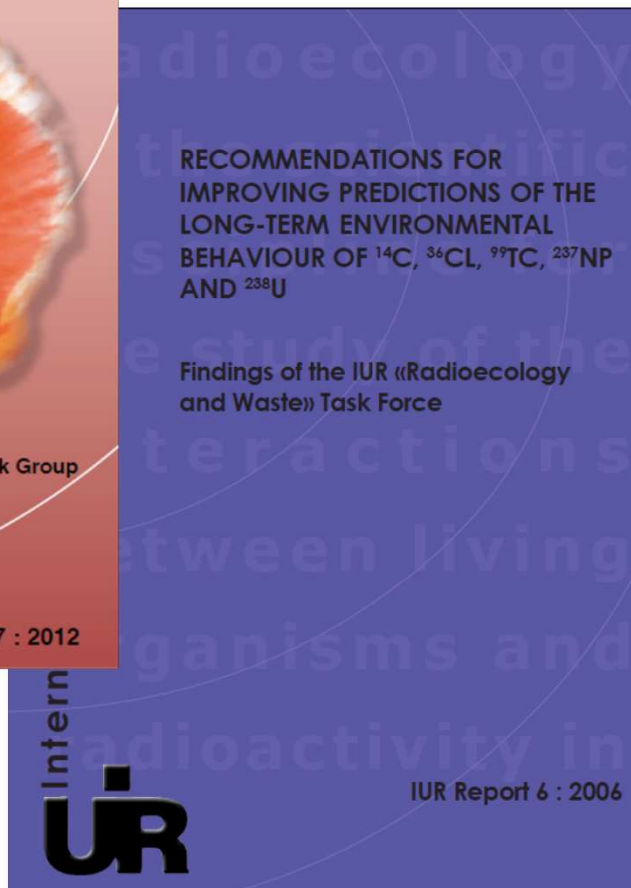
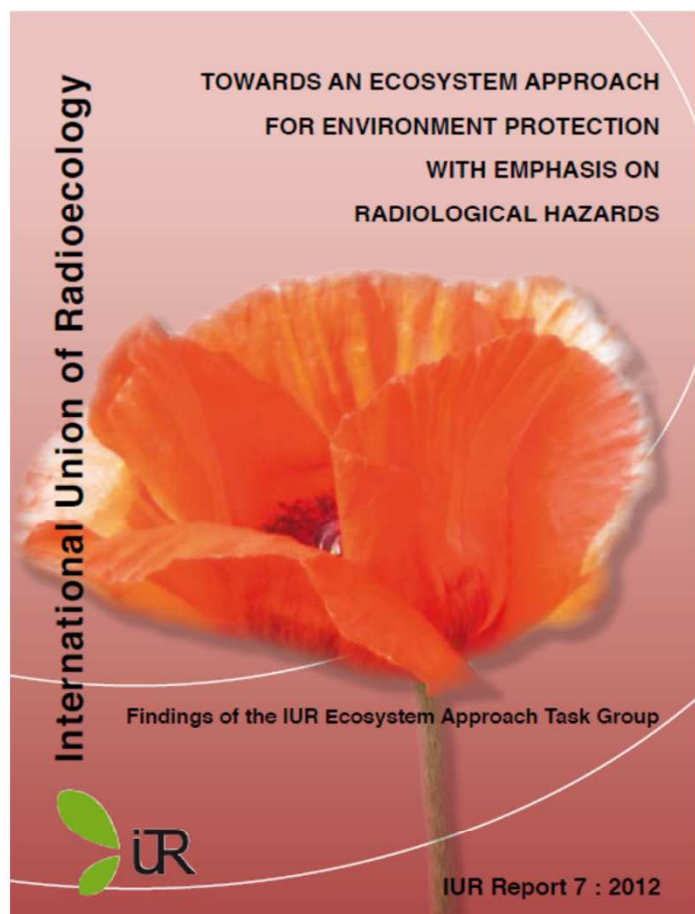
- ✓ Ward Whicker (Nice, 2005)
- ✓ Gennady Polikarpov (Bergen, 2008)
- ✓ Yoshiro Omomo (Hamilton, 2011)
- ✓ Brit Salbu (Barcelona, 2014)
- ✓ Rudolf Alexakhin (Berlin, 2017)

Young Investigator Awards (junior scientists)
2005, 2008, 2011, 2014, 2017





IUR Publications

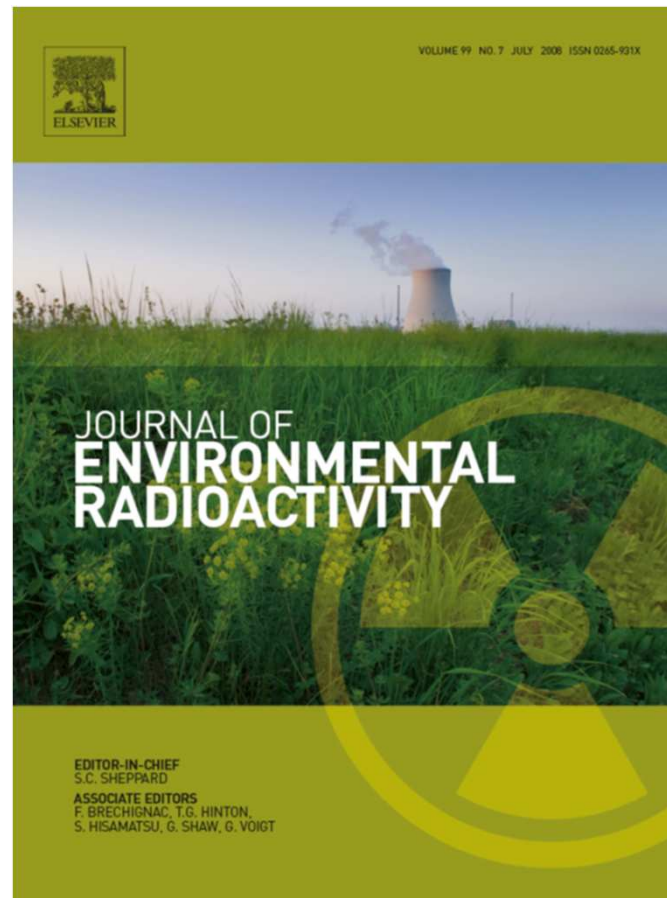




IUR encourages publication in JER

An official link of affiliation with an international Journal (JER)

Easy and cheap access to all IUR members, preferential rate of subscription to E-Journal





Financial Report



Operating Statement

Radioécologie
of Radioecology

ORDINARY			
Income	2014	2015	2016
Membership fees	2 541,00 €	3 813,00 €	2 515,00 €
Institutional / Sustaining members	13 500,00 €	6 500,00 €	6 500,00 €
Interest received, transactions	46,78 €	16,41 €	
Book sales	0,00 €	0,00 €	0,00 €
Total Income	16 087,78 €	10 329,41 €	9 015,00 €
Expenses			
General Assembly	0,00 €	0,00 €	0,00 €
Accountant 2015 & 2016	0,00 €	0,00 €	-1 050,00 €
Travel and Board expenses	0,00 €	0,00 €	0,00 €
secretariat	-6 468,20 €	-6 019,20 €	-6 000,00 €
Newsletters and Website	-648,00 €	-693,73 €	-578,11 €
Bank costs & interest & exchange difference	-194,08 €	-25,32 €	-83,14 €
Elsevier JER for 2015 & 2016	-90,00 €	0,00 €	-1 771,30 €
Faib registration	-190,00 €	-190,00 €	0,00 €
Paypal fees	-107,88 €	-90,23 €	-92,79 €
Total Expenses	-7 698,16 €	-7 018,48 €	-9 575,34 €
ORDINARY deficit / surplus	8 389,62 €	3 310,93 €	-560,34 €
SPECIFIC ACTIVITIES			
Income			
Third party assigned supports	2 531,30 €	80 000,00 €	67 042,08 €
Total Income	2 531,30 €	80 000,00 €	67 042,08 €
Expenses			
Conference sponsorship	-2 366,38 €	0,00 €	0,00 €
IUR Vernansky Award	0,00 €	-1 533,88 €	0,00 €
Workshop – task groups – expenses	-3 447,13 €	0,00 €	-2 179,93 €
Legal Publication	0,00 €	0,00 €	0,00 €
Printing IUR reports	0,00 €	0,00 €	0,00 €
Travel expenses refund – invitation	0,00 €	-944,39 €	0,00 €
SYMLOG – Miami workshop			-3 000,00 €
Total Expenses	-5 813,51 €	-2 478,27 €	-5 179,93 €
Balance SPECIFIC ACTIVITIES	-3 282,21 €	77 521,73 €	61 862,15 €
NET SURPLUS / DEFICIT (euros)	5 107,41 €	80 832,66 €	61 301,81 €

Overview of the current Union's finances

The balance on 31st December 2016 stood at 61301,81 EUR.

A financial situation for this year that reflects significant commitments and shows a profit mainly due to the third party support. However, the total amount of membership fees is not enough for this year



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Balance sheet (2016)

	31/12/2014	31/12/2015	31/12/2016
ASSETS			
Cash	34 827,00 €	39 934,41 €	119 209,97 €
Total Assets	34 827,00 €	39 934,41 €	119 209,97 €
DEBTS AND ACCRUALS			
Total Debts - Accounts	0,00 €	0,00 €	0,00 €
Accruals	0,00 €	0,00 €	0,00 €
Total Liabilities	0,00 €	0,00 €	0,00 €
NET ASSETS	34 827,00 €	39 934,41 €	119 209,97 €
FUND BALANCE			
Opening Balance	34 827,00 €	39 934,41 €	120 767,07 €
Years Result	5 107,41 €	80 832,66 €	61 301,81 €
Total Fund balance	39 934,41 €	120 767,07 €	182 068,88 €



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Anticipated budget 2017

	Income	Expenditure
Item		
Opening fund balance from 2016	182 068,88 €	
Fees	4 000,00 €	
Institutional / Sustaining members	7 000,00 €	
interest	0,00 €	
Task group support	2 000,00 €	
Total Funds	195 068,88 €	
Ordinary costs		
Council \ secretariat running costs		500,00 €
travel, Board meeting		3 000,00 €
Website maintainance		800,00 €
ellipse&co secretariat		6 000,00 €
bank charges		50,00 €
Accountant (for 2016)		2 100,00 €
Elsevier JER (2016)		800,00 €
total ordinary costs		13 250,00 €
Specific Activities costs		
Task group		5 000,00 €
Conference sponsorship		500,00 €
IUR workshop		3 000,00 €
Printing		200,00 €
Total expenditure		8 700,00 €
Anticipated closing Balance 2017	173 118,88 €	



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Fees

Membership grade	Rates for 2016			
	US \$		€	
Student	27 \$	<input type="checkbox"/>	20 €	<input type="checkbox"/>
Regular	55 \$	<input type="checkbox"/>	40 €	<input type="checkbox"/>
Supporting Org.	> 500 \$	<input type="checkbox"/>	> 400 €	<input type="checkbox"/>

Cost for individual subscription to JER : 25 € + 5 € tax = 30 €



Outline of the programme for 2017



- **IUR Awards - On the occasion of the ICRER 2017 Conference in Berlin, Germany**, the 5th IUR Vernadsky Award and five IUR Young Investigator Awards to be awarded.

- **IUR Workshop - « Radiobiology meets Radioecology », 16-17 September 2017 - Essen, Germany**
On the occasion of the joint meeting ERRS 2017 & GBS 2017 which brings together the 43rd Annual Meeting of the European Radiation Research Society and the 20th Annual Meeting of the Society for Biological Radiation Research, a satellite IUR Workshop "Radiobiology meets Radioecology" took place. The aim of the workshop is to discuss some of the challenges in understanding the role of low dose radiobiological effects in impacting outcome of radiation exposure in ecosystems.

- **International Workshop « Regulatory Supervision of Legacy Sites: the Process from Recognition to Resolution », organised by the NRPA in cooperation with the IAEA, ICRP, NEA and IUR, 21-23 November 2017 - Lillehammer, Norway**

The importance of a well-established process for legacy management has been highlighted by previous developments. The significant support of IUR in identifying research needs, radioecological innovation and liaising the particular scientific outputs with relevant international organizations, focused, among others, on regulations and radiation protection has been given internationally through several IUR's task groups.



- **Promote further the FORUM** assigned to support international harmonisation of radioecology networks – Asian and Australasian network re-launched : Drafting a SRA planned. Decision made to hold a second and enlarged FORUM Meeting in 2017
- **Continue the prioritisation process** for efficient research and development in Radioecology worldwide
- **Finalize the publication of the position paper** from the AERC-IUR Workshop on integration of ecosystem science into radioecology of the nuclear age organized at Savannah River Ecology Laboratory, Aiken, South Carolina, USA, October 2016
- **Continue to sponsor Radioecological initiatives** (conferences, workshops, courses,...)
- **Stimulate the emergence of new innovative Task Groups**
- **Push publication from TG outputs** (waste, non-lethal methods, ecosystem approach, radioecology in arid regions, ...)
- **Improve administrative efficiency of the Union**, including attraction of more sponsors, wider and active membership