



## Curriculum Vitae

### Dr. Julie LADEL

Integrated Water Resources Management Expert

**Proposed role:** IWRM Expert

**Category:** Senior

**Staff of:** EAUDYSSEY

1. **Family name:** LADEL
2. **First names:** Julie
3. **Date of Birth:** 17 Février 1970
4. **Passport holder:** French
5. **Residence :** 22 rue du Téron, 34150 Saint Guilhem-le-Désert, France
6. **Education:**

Institution (Date from - Date to)	Degree(s) or Diploma(s) obtained
University of Paris V, France (1992-1996)	Ph.D in Applied Hydrology, support to Electricité de France (EDF) French power company
University of Paris VI, France (1991-1992)	DEA in Water Sciences and Planning, orientation « Quantitative Hydrology and hydrogeology »
University of Paris XI, France (1989-1991)	Master of Organic Chemistry
Universitary Technological Institute, Orsay, France (1987-1989)	Technical Univertary Diploma (Technician)

**Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
French (mother tongue)	1	1	1
English	1	1	1
German	5	5	5
Spanish	3	3	3
Thai	-	5	-

#### Membership of professional bodies:

International Water Association (IWA)

International Association of Hydrological Sciences (IAHS)

**Contact:** [julie.ladel@iwrn.eu](mailto:julie.ladel@iwrn.eu)

**Other skills:** (e.g. Computer literacy, etc.)

- **Licences:** driving (car), diving level 3
- **Computer literacy:** Microsoft Windows XP and Office, Internet
- **Capacity building:** Trained as Trainer-Consultant (AFNOR standard for Professional Training)

**Present position:** International Consultant specialized in IWRM capacity building

**Years within the firm:** 4 years

## **Key qualifications: (Relevant to the project)**

Dr. Julie LADEL is an international expert with skills in water resources management of large river basins. She acquired a solid experience in Lake Chad Basin since 1996 and in the Congo river basin since 2008. Moreover, she has a 14 year diversified experience in water resources and environmental management in thirty countries. In South-East Asia and Central Africa in particular, she realized two long term technical assistance missions in Thailand (3 years) for 25 countries of Asia and Europe and in Democratic Republic of Congo (2.5 years) for 7 Central African countries.

In the field of **Integrated Water Resources Management**, Dr. Julie LADEL acquired her experience in the framework of promoting and capacity building on river basin management in Asia with the International Office for Water and the support for putting IWRM mandate of the Congo river Commission into practice by the definition of operational services based on Earth Observation data and building the capacity of its Secretariat. As the Thematic Expert in the Management of Water Resources of the African Union/European Union African Monitoring of Environment for Sustainable Development (AMESD) programme at the International Commission for Congo-Ubangui-Sangha (CICOS), she also gained a practical experience of transboundary IWRM in riparian countries, in particular in the Central African Republic and downstream countries of the Congo basin, for their equitable sharing of benefits and concerted management of major hydraulic infrastructure. She addressed **climate change adaptation** of the Ubangui river populations by producing a documentary and presenting on gender specific adaptation to climate variability at a national workshop.

In the field of Capacity Building, she also developed tools such as an interactive mobile exhibition "Planet Water at home" for the Seine-Normandie river basin agency and hands-on workshops for schoolchildren and the general public. And, as Water and Sanitation Officer in Sierra Leone, she developed a hygiene promotion tool for preventing a cholera outbreak and organised CBOs training programmes. In Rajasthan, she proposed an IWRM Capacity Building Strategy targeting communities, the general public and State water-line departments based on the State Water Policy and IWRM international standards. Her team developed a Training Manual and a Training of Trainers for 120 NGOs staff to enable them prepare IWRM plans in 1,025 villages as part of the decentralization process. She acquired a relevant experience (1993-1999) in results-based **Monitoring and Evaluation** techniques through a University of Paris Group of Didacticians in Chemistry for mainly regarding capacity building activities and projects evaluation.

As a project manager and responsible of international programmes, Dr. Julie LADEL acquired along her career a solid experience in projects planning and management, including the writing of terms of reference and funding proposals preparation as well as field realities. She has undertaken numerous missions for the European Commission, United Nations (UNESCO) and cooperation agencies (AFD).

## **Titles and distinctions :**

- Member of honor of the Association "Graine de Chimiste" (*Seed of Chemist*)
- President of the Association "Eau-Dyssée International" (*International Odyssea*)

▪ Specific experience in the region

Country	Date from - Date to
Brunei/Indonesia/ Malaysia	1 week - 2002
Cambodia	2 days - 2000
Cameroon	3 days – April 2008
Central African Republic	3 x 7 days (21 days) May 2008-June 2008-Nov 2009
Chad	10 days 1999 – 3 months 2007
China	5 x 5 days – 2000 and 2002 (25 days)
Congo	5 x 2 days 2008-2010 (10 days)
Democratic Republic of Congo	Jan. 2008-July 2010 (2,5 year)
Ethiopia	2 months – Nov-Dec. 2007 + several meetings (2008-2010)
France	2 x 5 days – 2000-2002 (10 days) Permanent base (on going)
Gabon	2 days – April 2008
Germany	2 x 5 days – 2000 (10 days)
Greece	5 days – Dec. 2006 (5 days)
India	Oct.-Nov 2006 (5 weeks) Oct.-Nov. 2010 (8 weeks) Feb-April 2011 (9 weeks) May 2011-August 2011 (10 weeks)
Japan	2 days - 2002
Sierra Leone	Nov. 2005-June 2006 (8 months)
Sweden	2 x 1 week 2000-2002 (14 days)
Thailand	Sept. 1999- Oct. 2002 (3 year)
The Netherlands	5 days – June 2000 (5 days)
Vietnam	2 x 1 week 2002 + 3 days (17 days)
AFRICA	3,5 year
ASIA	3,8 year
EUROPE	44 days + permanent base

#### 14. Professional experience

Date from - Date to	Location	Company & reference person <sup>1</sup> (name & contact details)	Position	Description
2011 (5 months) 2010 (2 months)	Jaipur (Rajasthan, India)	European Commission State Partnership Program – Government of Rajasthan  (EGIS International: Jean-Pierre MAHE: <a href="mailto:jean-pierre.mahe@egis.fr">jean-pierre.mahe@egis.fr</a> )	IWRM Capacity Building Expert	Support to Capacity Building of 11 NGOs: Preparation and facilitation of Training of Trainers (120 persons) for 1,025 Gram Panchayat (villages) <b>IWRM Plans</b> preparation based on Rajasthan <b>State Water Policy</b> (decentralization process); Training Manual/Toolbox Identification of <b>stakeholders</b> for IWRM Preparation of a Capacity Building Strategy for communities, the general public and State water-line departments based on <b>IWRM international standards and tools</b> .
2007 – 2010 (32 months)	Addis Ababa (Ethiopia) 2 months  then Kinshasa (DRC) 30 months	African Union-European Union  AMESD programme  Then the International Commission for Congo-Ubangui-Sangha Basin (CICOS)  (BRL Ingénierie: Jean-Michel CITEAU: <a href="mailto:jean-michel.citeau@brl.fr">jean-michel.citeau@brl.fr</a> )	Thematic Expert in Management of Water Resources  Central Africa	Responsible of the development of a <b>10th EDF</b> Grant proposal (activities, personnel, capacity building, sustainability, logical framework, budget) of 1,3 million euros for 3 years geared towards the development of operational services based on spatial technologies: 1/low waters alert for navigation and 2/ hydrological balance monitoring of the Ubangui sub-basin and of the extend of inundated areas under forests of the Central Floodplain <b>for decision-makers and environmentalists</b> , the <b>capacity building of CICOS and its partners in IWRM</b> ; the planning of a <b>French GEF project</b> targeting the environmental impact assessment of water resources development projects to optimise water uses by hydropower, navigation, fisheries and environmental protection among riparian countries, including Chad, Gabon and Equatorial Guinea via the Economic and Monetary Community of Central African States (CEMAC).  Organisation of the First AMESD Forum in Kinshasa : 33 African countries, 6 European countries  Communication : documentary preparation « The Ubangui river facing <b>climate change</b> » (9 min)  Presentation on <b>gender specific adaptation to climate change</b> in the Congo Basin  State of Congo Basin Forests 2008 (OFAC): Drafting of a chapter on Water resources and Forests
2007 (3 months)	N'djamena  Chad	European Commission and Lake Chad Basin Commission du Bassin (LCBC)  (BCEOM now EGIS : Denis CARRA : <a href="mailto:denis.carra@egis.fr">denis.carra@egis.fr</a> )	Team Leader	Responsible of the <b>IWRM project review</b> of the Lake Chad Basin Commission funded by the European Commission under <b>9th EDF</b> : activities review, planning of service and supply contracts, TAD writing of the Financing Agreement including logical framework and ToRs of the Technical Assistance and of transversal studies in Lake Chad Basin (surface/ underground waters relations; power production strategy ; lake and river navigation strategy) ; proposal of 4 transboundary pilot projects.

<sup>1</sup> The Contracting Authority reserves the right to contact the reference persons. If you have any objection to this fact, kindly state so and provide a justification

2006 (8 months)	Bo Sierra Leone	Action Against Hunger  (Nadia BELMIR : <a href="mailto:nadia.belmir@actioncontrelafaim.org">nadia.belmir@actioncontrelafaim.org</a> )	Water and Sanitation Officer	Human resources management (36 technicians). Supervision of the Linking Relief, Rehabilitation and Development (LRRD) Programme of the European Commission with 30 000 beneficiaries. The fields covered Were access to water (45 wells built with established management committees and 115 boreholes in 8 refugee camps monitored and maintained by <b>trained</b> pump caretakers), hygiene promotion with <b>hygiene promoters trained in communities</b> and water quality analyses. A crisis project was prepared to remediate to cholera outbreak in Kenema city with DFID.
2003-2005	France	Various	Consultant	Short missions (see list below)
1999-2002  (36 months)	Thailand	Asie-Europe Environmental Technologies Centre (AEETC)  European Commission and 25 ASEM countries  (OIEau, Jean-François DONZIER: <a href="mailto:dj@oieau.fr">dj@oieau.fr</a> ; then SAFEGE, Patrick VAUGHAN: <a href="mailto:patrick.vaughan@safege.fr">patrick.vaughan@safege.fr</a> for AFD)	Water Expert	Set up of and « Water » expertise (drinking and waste water treatment; river basin management at the Asia-Europe Environmental Technologies Centre in Bangkok for 25 ASEM countries (Austria, Belgium, Brunei Darussalam, China, Denmark, Finland, France, Germany, Greece, Indonesia, Ireland, Italy, Japan, Luxembourg, Malaysia, The Netherlands, The Philippines, Portugal, Singapour, South Korea, Spain, Sweden, Thailand, United Kingdom, Vietnam).  Institutionnal networking  Responsible of the Bioremediation programme: design of a database, networking and development of common projects  Advise and <b>capacity building on IWRM of Asian Ministries officers</b>  Organisation of ASEM workshops (Environmental risks of Tropical landfills in Bangkok; Fight against lakes eutrophisation and <b>river basin management in Kunming in China</b> ), a seminar on River Basin Management in Stockholm and Paris for Asian water managers and an International Conference on Bioremediation in Hanoi in Vietnam
1996-1999  (32 months)	Paris	UNESCO  (Folarin OSOTIMEHIN : <a href="mailto:f.osotimehin@unesco.org">f.osotimehin@unesco.org</a> )	Research Assistant  Project on Lake Chad Basin with LCBC	Assistant of an Extrabudgetary Project « Management of Groundwaters for Lake Chad Basin sustainable development » with Lake Chad Basin Commission  Support to the <b>daily project management</b> preparation of technical documents (tenders, ToRs, specifications of technical equipments) ; strategic documents preparation (popularisation document on Lake Chad and Aral Sea...) ; budget review  Mission to Lake Chad Basin Commission (LCBC) in N'Djamena to present strategic documents and undertake a field mission with LCBC
1992-1996  (48 months)	Paris	Paris Water Research and Control Centre (CRECEP) of the Mairie de Paris	PhD researcher	In charge of interdisciplinary research on natural scaling inhibitors (phytoplankton metabolites) for Nogent-sur-Seine (EDF) nuclear power plant: electrochemical study of metabolites, axenic algae cultures; analyses of raw waters from Seine and Marne rivers, development of HPLC chromatography method for natural organic macromolecules and statistical analyses in principal components
1992-1999	Orsay, France	University of Paris XI	Doctoral course part-time lecturer	In charge of a course at Science Faculty on "Chemical Pollutions in Water" at DESS level

1990-1999	Paris	University Pierre and Marie Curie (Paris VI)  « Graine de Chimiste » Association  Janine THIBAUT (tel : +33 619486664)	Workshop Leader (700 h)  NGO Secretary	Hands-on experimental sciences workshops leading in schools, science museums (Paris Palais de la Découverte and Cité des Sciences et de l'Industrie) and in Teachers Training Institutes (teachers training). Training of trainers Design of educational tools (workshops on drinking water production treatment, taste of waters; interactive mobile exhibition « Planet water at home ») <b>Design of projects</b> <b>Monitoring and evaluation</b> of projects and activities
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## 15. Other relevant information (e.g., Publications)

### ■ Training

- 2011 G'EAU (Cemagref), Montpellier, France (2 days):  
Design of games based on the Wat-a-Game water management role-play platform
- 2010 UNESCO, Paris (2 days):  
Pilot Course on Transboundary Groundwater Resources Management
- 2009 Capetown University, South Africa (1 week):  
Use of GEONETCast satellite data dissemination system for water resources management

### ■ Main short term missions (less than 2 months)

2005, France. For Water Academy, rapporteur of the Euro-African Conference « Water and Territories », March 2005, UNESCO, Paris

2005, **France**. For UNESCO, preparation of a **communication strategy** for an extrabudgetary project on the Reform of sciences system, technologies and innovation in Nigeria.

2004, **Montpellier, France**. For the University of Montpellier II, preparation and lecturing for a **conference on transboundary basins IWRM for Master Pro “Management and Study of Water Resources”**.

2003, **India**. For the French Embassy in India, in the framework of « French Science Today », presentation of a conference on **Water management in France** in 7 indian cities (New Delhi, Chandigarh, Bhopal, Mumbai, Goa, Pondichery, Hyderabad at National Geophysical Research Institute) and participation to the National Conference on Water and the World Bank conference on Interbasin water transfers.

2002, **Greece**. For the International Union of Nature Conservation (**IUCN- Mediterranean office**), moderation and reporting of the **Water, Wetlands and Climate Change** International Conference in Athens.

### ■ Publications

#### IWRM / Transboundary issues

Ladel J. et al. (2008) *Integrated Water Resources Management in the Congo basin based on the development of Earth Observation monitoring systems in the framework of the AMESD Programme in Central Africa*, XIIth IWRA World Water Congress, Montpellier, 1-4 September 2008.

Ladel J. (2004) *Interlinking of rivers in India: status of the project and elements of analysis*, International Water Symposium, Cannes, 28 June-2 July 2004.

Ladel J. & Singhirunussorn W. (2002) *Asia-Europe Co-operation in the field of integrated water resources management*. In: 1<sup>st</sup> ASEM Workshop on Water Management Issues, Changsha, China, June 10-13, 2002.

Ladel J. & Singhirunussorn W. (2001) Influence of River Basin Management on Environmental Impact Assessment to Protect Water Resources. Focus on France, Thailand and Vietnam. In: *Proceedings of the International Training Workshop on “Environmental Impact Assessment with special regard to Water Resources Management”*, UNESCO-IHP-Federal Institute of Hydrology of Koblenz, AIT, Thailand, 12-16 November 2001, 15 p.

Ladel J. & Singhirunussorn W. (2001) River Basin Management for sustainable industrial development. Case studies from France and Thailand. In: *Proceedings of the 11<sup>th</sup> Entech Pollutec Asia*, AIT and Miller Freeman Co. Ltd, Bangkok, 18 May 2001, 6 p.



## Water sciences

Ladel J. & Leroy P. (1997) *Mise en évidence de l'effet inhibiteur des métabolites d'algues planctoniques sur la précipitation de carbonate de calcium dans les eaux naturelles de surface*. *Journal Européen d'Hydrologie (European Journal of Hydrology)*, Juin 1997, tome 28, fasc.1, p.69-86.

Ladel J. (1996) *Mise en évidence de l'effet inhibiteur naturel dans les eaux naturelles de surface. Effet des algues planctoniques sur la précipitation de carbonate de calcium*. Ph.D. Thesis, University of Paris V, Paris, 283 p.

## Education to water

UNESCO/ED/Section for Scientific and Technological Education (1999) *Science Education for Girls in Africa*. Ed. UNESCO.  
[www.unesco.org/education/educprog/stp/pdf\\_files/girls/sciexpen.pdf](http://www.unesco.org/education/educprog/stp/pdf_files/girls/sciexpen.pdf)

UNESCO/ED/Section for Scientific and Technological Education (1998) Module on Water. In: *Resource Kit on Science and Education*. Ed. UNESCO. 18 p.

Ladel J. (1999) *Les bassins du lac Tchad et de la Mer d'Aral: deux bassins en cours de désertification*. Draft booklet for UNESCO. 20 p.

Ladel J. (1998) *Contribution with interdisciplinary scientific notions to the education for all to the respect of water*. International conference for an Education towards a culture of shared and protected water, Lebanon. 7 p.

## ■ Participation to international events

- HydroGaïa International Water Fair, 25-27 May 2011, Montpellier, France
- GWP workshop on Capacity building of PRIs in IWRM, 22 April 2011, Udaipur, India
- Climate change impact on water resources seminar, March 2011, Chandigarh, India
- 8ème Forum EUMETSAT des Usagers Africains, October 2008, Accra, Ghana
- XIIIth IWRA World Water Congress, September 2008, France
- UNOOSA/UNESCO Conference on the *Use of Space Technology for Water Management*, April 2008, Saudi Arabia
- World Wetlands Day, February 2007, France
- Sustainable Development Rendez-vous, January 2007, Paris
- "Loire-Niger" Conference on French-Malian decentralised co-operation, May 2005, Angers
- Euro-African Conference « *Water and Territories* », March 2005, UNESCO, Paris
- International Water Symposium, June 2004, Cannes, France
- Heads of State's Conference for the Niger River Basin, April 2004, Paris
- World Bank Conference on *Interlinking of rivers*, October 2003, New Delhi, India
- *Water Summit*, October 2003, New Delhi, India
- *ASEM conference on Bioremediation*, 24-27 September 2002, AEETC, Hanoi, Vietnam
- *ASEM conference on Water Management Issues*, 10-13 June 2002, Changsha, China
- *ASEM Environment Ministerial Meeting*, 17-19 January 2002, Beijing, China
- *Frontiers in urban water management: deadlock or hope*, UNESCO, June 2001, Marseille, France
- *Water beyond 2000*, 5-9 November 2000, Chiang Mai, Thailand
- *Soil Remediation 2000*, 15-19 October 2000, Hangzhou, China
- *Biotechnology 2000*, 3-8 September 2000, Berlin, Germany
- *URBAN21*, 4-6 July 2000, Berlin, Germany
- *Asian Development Bank annual meeting*, 4-6 May 2000, Chiang Mai, Thailand
- *Second World Water Forum*, 17-22 March 2000, The Hague, the Netherlands
- UNESCO Conference on *Education towards a culture of shared and protected water*, 18-21 June 1998, Jounieh, Lebanon
- *Water, a looming crisis. The international conference on World Water Resources at the beginning of the 21<sup>st</sup> Century*, 3-6 June 1998, UNESCO, Paris
- *Water and Sustainable Development*, 19-21 March 1998, UNESCO, Paris

▪ **Referees**

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1. Folarin Osotimehin, UNESCO, Programme Specialist : [f.osotimehin@unesco.org](mailto:f.osotimehin@unesco.org)
2. Jean-François Donzier, International Office for Water, Director : [dg@oieau.fr](mailto:dg@oieau.fr)
3. Filippo Saracco, EU Delegation in DRC related to AMESD Programme, Environment Officer:  
[filippo.saracco@ec.europa.eu](mailto:filippo.saracco@ec.europa.eu)
4. Jean-Michel Sionneau, RAPAC/ECOFAC Principal Technical Adviser :  
[jmsionneau@prapac@yahoo.fr](mailto:jmsionneau@prapac@yahoo.fr)