

Christelle PEZON

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| Languages | French / English / Italian |
| Profession | Senior lecturer in management, Cnam, Paris |
| Specialisation | Regulation, economics, management, policy and finance of water, sanitation & hygiene services |
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Christelle Pezon has **28 years of experience** in the WASH sector in developed countries (Europe and the USA) and in developing countries (mainly Africa), as academic, coordinator of international action/research programs and international expert.

Key Qualifications Her domain of expertise includes the analysis and the evaluation of WASH sector and services in terms of **economic regulation, policy & strategic planning, cost & financing, performance of management models, in rural, peri-urban and urban settings, and in refugee context.**

Her main skills include the **design of regulatory frameworks, national and local strategies** to deliver sustainable water and sanitation services under various **management models**; the development of and support to **methodologies and tools** to plan, budget, price, monitor and regulate the delivery of sustainable WASH services; the ability to work in **pluri-disciplinary team in multi-cultural environment.**

Christelle Pezon is an occasional reviewer of various academic Journals: Flux-Réseaux-Territoires, Politique & Management Public, Sciences de la Société, Revue d'Economie Rurale, Water Policy, Water Alternatives, etc.

Post-doctorate at the University of Chicago in 2001 (Water Market, Cost and Tariff of drinking water in California – Los Angeles, San Francisco and San Diego)

Education **Ph.D in management**, Conservatoire National des Arts et Métiers, France, 1999 *La régulation des services d'eau potable en France (1850-1995)*, published in 2000.

Master in Strategy, Bachelor in Management and Applied Economics, Université Paris-Dauphine, 1992

FROM 2015

Senior lecturer of management at the International Institute of Management, *Conservatoire National des Arts et Métiers*, Paris, France (master degree)

Experience Record

- Academic head of the Master 1 in Management
- Responsible for the seminar Gestion des services publics environnementaux (Master in Strategy)

Associate professor at *SciencePo Paris*

- Responsible for the seminar Governance of water services – Global perspectives and case studies (master level)

International expert for UNICEF, AFD, UNHCR, WSP/World Bank Group

AFD (2022) : Senior economist | Feasibility study: design and start-up of an emergency/development interface project on water supply and electricity services in small rural centers - Central African Republic (Financial and contractual analysis of the service delegation project in two regions)

AFD (2020-2021) : Feasibility study for the universal access to safe water in the North region of Burkina Faso (Finance, contract setting and regulatory framework)

UNICEF (2016-18) : Research project leader | Action research “Sustainable water service delivery through public-private partnerships in rural Burkina Faso”

UNICEF (2017) : Evaluation of the Water Program of UNICEF from 2006 to 2015 (108 countries) in collaboration with Hydroconseil ; on-site evaluation of UNICEF water program in Rwanda and Zimbabwe

AFD (2016-2017) : Analysis of the public-private partnership for the water supply in urban areas in Senegal (1995-2017) and comparison with PPPs in Niger and Mali

UNHCR (2015) : Development of a cost/benefit methodology to cost water provision in camps and assess the quality of the service provided to refugees; implementation in Ethiopia and Chad

WSP/ WBG (2015) : Tariff modelling, financial policy and regulation for the provision of water to all in small towns (2000 to 10000 inhabitants) by 2030 in Burkina Faso

Experience Record

FROM 2012 TO 2015

Senior Programme Officer at IRC, The Hague, NL.

Management of the Cost & Finance component of IRC’s International Innovation and Influencing programme (methodology, data collection tools, analysis applied in urban, peri-urban, rural and emergency contexts from national to household levels; research publications targeting WASH professionals, local and national decision policy makers).

Provision of strategic support to country programmes in Africa in order to develop financial policies and sound regulation to deliver, monitor and improve water and sanitation services for all in West Africa from country-based innovation and evidence.

FROM 2008 TO 2012

Director of IRC programme in Burkina Faso.

Coordination of action/research projects (WASHCost, SaniFaso, WASHTech, WA-WASH Triple-S) supported by the Gates Foundation, USAid, DGIS, in collaboration with sector stakeholders (ministries, regional and local WASH authorities, I-NGOs, donors, public and private operators)

Facilitation of digital platforms (Fas-Eau Nouvelles; IRC Francophone West Africa websites) to foster sector knowledge

Chair of government-led working groups (asset management, monitoring & evaluation, finance)

FROM 2003 TO 2008

Senior lecturer at the National Institute for Water Engineering and Forestry, Montpellier (ENGREF-AgroParisTech)

Design of a master on Management of urban WASH services in developing countries in French and English (Master OPT / Water for All, Suez Foundation)

Director of the research unit *Management and Economics of Water and Sanitation Services* (multidisciplinary team of 8 researchers, UMR G-EAU) advising the ministry of Environment on the design and implementation of water sector related regulations

Experience Record

Head of the French Observatory for the delegation of water and sanitation services to private operators ; annual publication about the competition on the water market in France

Coordinator of EU funded research programmes dealing with management models and financial sustainability evaluation of water services in various European countries

FROM 1999 TO 2003

Lecturer at Conservatoire National des Arts et Métiers, Paris, France

Design of a bachelor on entrepreneurship

Member of the research centre dealing with the economics of water and energy utilities

Publications and communications

PEZON C. (2022), Conception et démarrage d'un projet d'interface urgence/développement sur les services d'AEP et d'électricité dans les petits centres ruraux – Analyse financière et contractuelle. Rapport de projet Phase 1, 46p.

PEZON C. (2021), Analyse de la viabilité financière et économique de la mise en place d'une délégation de service public pour la gestion des services d'eau potable en milieu rural dans la région Nord du Burkina Faso, Etude technique AFD, 23p.

PEZON C. (2020), Assessing the impact of the 2015 NOTRe law: a big bang for the organisation of water services in France, *WATERLAT GOBACIT Working papers* vol. 7 n°3, September, pp.5-24

PEZON C. (2019), Le service d'eau potable à l'épreuve de la loi NOTRe, *Revue Française d'Administration Publique* vol 4, n°172, pp.935-952.

PEZON C. (2019), Management models for the provision of sustainable rural water services, Action-research project Sustainable Rural Water Services through Public Private Partnerships in rural Burkina Faso, final research report for UNICEF HP, New York, 135p.

PEZON C., (2018), Que retenir des syndicats de communes pour le service d'eau du 21ème siècle?, séminaire de recherche organisé par le LATTs-ENPC **Les syndicats de communes en France : Organisations, luttes institutionnelles, production de l'action publique**, 7-8 octobre 2018, Marne-la-Vallée

PEZON C., (2018), Balancing equity and financial sustainability for the provision of safe water to all in small towns in Burkina Faso, Communication at **Sustainable Development and Planning International Conference**, October 4-6 2018, Siena, Italy

PEZON C., (2018), Analyse rétrospective du secteur urbain de l'eau potable au Sénégal : un partenariat public-privé à l'épreuve du temps, Note technique n°41, Mars, AFD Paris, 54p (also available in English : Retrospective analysis of the urban water supply sector in Senegal : a public-private partnership over time)

PEZON C., (2017), Price-cap regulation of private water services in small towns in Burkina Faso based on solar energy, *International Journal of Sustainable Development*, vol 20 n°3/4, pp.205-229.

TILLET W., PEZON C., MANIKAI G. (2017), Evaluation of UNICEF Water Program in Zimbabwe (2006-2015), Hydroconseil – UNICEF HQ, New York, 54p.

PEZON C., GALLEGOS M. NSHUTI S. (2017), Evaluation of UNICEF Water Program in Rwanda (2006-2015), Hydroconseil – UNICEF HQ, New York, 48p.

PEZON C., (2015), The role of public and private finance to universalise the access to water – The case of Burkina Faso, **UNICEF 1st regional conference on Innovative Financing for water, sanitation and hygiene in West and Central Africa**, Dakar, Senegal, December.

PEZON C., (2015), Politique et modèle tarifaires pour un accès durable, équitable et universel à l'eau potable en milieu semi-urbain au Burkina Faso 2016-2030, Rapport pour la Banque mondiale et le gouvernement du Burkina Faso, 78p.

PEZON C., (2015), Providing water services at scale: how to move from unsustainable assistance to sustainable development?, *Water Policy* 17(6), pp.1127-1142.

PEZON C., (2015), Costing water services in refugee camps. Camp Bambasi, Ethiopia & camp Kounoungou, Chad, Research report for UNHCR, June, 38p.

NANSI J., KOALGA S., PEZON C., (2014), Efficacité de l'aide publique au développement (APD) dans le secteur de l'eau potable et de l'assainissement au Burkina Faso, IRC, Ouagadougou, Novembre, 71p.

PEZON C., (2014), A methodology to cost water services in a refugee context, Research report for UNHCR, September, 25p.

PEZON C., (2014), The end of the handpumps? Communication to the **IRC winter data debate**, December.

PEZON C., BASSONO R. (2013), Coût, performance et régulation des petits réseaux de distribution d'eau potable au Burkina Faso, *IRC WA-WASH Triple-S Burkina Faso, Document de recherche 2*, 56p, Novembre.

SCHWEITZER R., PEZON C., PINJARI A., FONSECA C., MIHELICIC J.R. (2013), Household expenditure on water service: financial and economic expenditures of rural and peri-urban households across socio-economic classes and seasons in Burkina Faso, *IRC WASHCost Working paper 7*, September.

PEZON C. (2013), **A experiência francesa – Descentralização e delegação in Política pública e gestão de serviços de saneamento**, Léo Heller, José Esteban Castro (Organizadores), Edição ampliada, UFMG/Fiocruz, Belo Horizonte & Rio de Janeiro, Brésil.

PEZON C., BASSONO R. (2013), Le coût de l'approvisionnement eau potable par PMH au Sahel, *IRC WA-WASH Triple-S Burkina Faso, Document de recherche 1*, 42p., Janvier.

PEZON C., (2013), Evaluer le coût d'un service pérenne d'eau potable au Burkina Faso : méthodes et outils, *IRC WASHCost Working paper 5*, 31p., Janvier.

DUBÉ A. PEZON C., BASSONO R. (2012), Le coût des latrines au Burkina Faso : une application de l'approche des coûts à long terme, *IRC WASHCost Burkina Faso, Document de recherche 3*, Décembre.

PEZON C., NANSI J., BASSONO R. (2012), De l'accès aux systèmes de distribution d'eau potable à l'accès aux services d'eau potable : méthode et outils, *IRC WASHCost, Document de recherche 4*, 32p.

PEZON C., BASSONO R. (2012), Le coût des systèmes d'approvisionnement en eau potable au Burkina Faso : une approche des coûts à long terme, *IRC WASHCost Document de recherche 2*, 35p.

PEZON, C., BREUIL L. (2012), **PPPs for drinking water services: some lessons from the French experience for developing countries**, in *Water services and the private sector in developing countries*, Blanc & Botton (dir.), AFD ed, Collection Recherches, pp.51-73 .

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PEZON C. (2010), Financing for sustainability: trends in thinking about challenges of financing sustainability. Keynote conference, **RWSN-IRC International Symposium on Rural Water Services Providing Sustainable Services at Scale**, Kampala Uganda, 13 April.

PEZON C. (2010), Costing and Financing WASH services in Africa, Keynote conference, **IRC International Symposium Pumps, Pipes and Promises**, The Hague, November 8.

PEZON C., FONSECA C., BUTTERWORTH J. (2010), Costs, finance and accountability for sustainable WASH services, Background paper of **IRC International Symposium Pumps, Pipes and Promises**, The Hague, 25 p.

FRANCEYS R., PEZON C. (2010), Services are forever : the importance of capital maintenance (CapManEx) in ensuring sustainable WASH services. *IRC WASHCost briefing note 1b*.

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PEZON C. (dir.) (2008), Accès à l'eau et développement durable. Contribution méthodologique pour la prise en compte des libertés individuelles dans la dimension du développement humain. Le cas de Tétouan, Maroc, Rapport ENGREF/Laboratoire GEA – CNRS, Programme Développement Urbain Durable (2005-2008), 102p.

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PEZON, C. (2006), The Public Private Partnership French model for water services management: genesis and key factors of success. Urban Water Conflicts, Working Series. Phase VI, UNESCO - IHP, Paris, pp. 25-38

PEZON C. (2006), The development of water services in peri-urban and rural areas in France over history, communication at the International Symposium Water Supply and Sanitation Delivery in Peri-urban and Slum Areas (European Project GovAgua), Greenwich University, London, 18 septembre.

PEZON, C. (dir.) (2006), Intercommunalité et durabilité des services d'eau potable et d'assainissement. Etudes de cas en France, Italie et Portugal, Rapport de recherche, Programme Politiques territoriales et Développement Durable, Ministère de l'Ecologie et du Développement Durable, 140 p.

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PEZON C. (2005), Accès à l'eau potable et développement : le rôle des libertés individuelles dans la conversion de l'accès à l'eau en développement, communication à la Conférence Internationale Pauvreté hydraulique et crises sociales - Perspectives de recherche et d'action, organisée par IRD dans le cadre du programme Développement Urbain Durable, Agadir, Maroc, 11-15 décembre.

PEZON C. (2005), De l'apparition à la généralisation d'un modèle marchand pour la gestion des services d'eau potable en France (1850 - 2000), *Sciences de la Société* n°64 'Société civile et marchandisation de l'eau. Expériences internationales', février, 22p.

- PEZON C. (2005), An analysis of French water services through conflicts over time (1850-2004), UNESCO IHP– Phase VI, International Workshop on Urban Water Conflicts 27-28 October, Paris.
- PEZON C. (2005), Lessons from French history of water supply, communication au colloque de cloture du projet européen WaterTime, London, UK, 25 novembre.
- PEZON C. (2005), La regulacion y el financiamiento de los servicios de agua y saneamiento, conference at the International Workshop Gestion del Agua en Areas Metropolitanas, 4-6 October 2005, Universidad de Buenos Aires, Centro de Estudios de Políticas de Servicios Públicos, Argentina.
- PEZON C. (2004), Users' participation in French drinking water services from 1850 to 2003, through the jurisprudence of the Conseil d'Etat, communication at the International Conference Participation and transparency in urban water decision-making, projet Européen WaterTime, Luebeck, Allemagne, 26 novembre.
- PEZON C., BONNET F. (2004), Impact des procédures de mise en concurrence des délégations de service public sur les services d'eau et d'assainissement – rapport annuel de l'Observatoire National des Services d'Eau et d'Assainissement, ENGREF-Laboratoire GEA, Montpellier, 94p.
- PEZON C. (2003), Demand side water management in Los Angeles and San Diego : in search of sustainable water supply, in Advances in Water Supply Management, Maksimovis C., Butler D., Memon F.A. (eds), Balkema, Holland, pp.711-720
- PEZON C. (2003), Water supply in Southern California: from water transfer to water demand management, International conference on Advances in Water Supply Management, 15-17 September 2003, Imperial College, London.
- PEZON C. (2003), Les nouvelles stratégies d'approvisionnement en eau de Los Angeles et San diego : en route vers l'indépendance, *Revue Nouveaux Mondes* n°12, printemps, pp. 129-150.
- PEZON C. (2003), Water supply regulation in France from 1848 to 2001 : a jurisprudence based analysis. Annual Conference of the International Society for New Institutional Economics (ISNIE) 11-13 September, Budapest, Hungary.
- PEZON C. (2003), La gestion des services d'eau : espace contre territoire, Colloque 'Les territoires de l'eau', EREIA (université d'Artois), C3ED (IRD/UVSQ), IFRESI-CNRS, 26 mars 2003, Université d'Arras, France.
- PEZON C., PETITET S. (2003), L'intercommunalité en France de 1890 à 1999 : la distribution d'eau potable en question, *Revue Développement Durable et Territoire* (www.revue-ddt.org), 17p.
- PEZON C. (2002), La dérégulation discrète de la distribution d'eau potable en France et l'émergence d'un nouvel acteur collectif, les abonnés, *Flux* vol.2, n°48-49, pp.62-72.
- PEZON C. (2002), Le marché de l'eau américain – entretien avec Jean-Michel Brault, *Flux* vol.1 n°47, pp.69-79.
- PEZON C. (2001), La gestion de l'eau en Californie entre marché et développement durable, Rapport de recherche pour l'OTAN (bourse jeune chercheur), 47p.
- PEZON C. (2000), Le service d'eau potable en France de 1850 à 1995, CNAM, CEREM Eds, Paris, 441p.
- PEZON C. (1999), La gestion du service d'eau potable en France : analyse historique et par la théorie des contrats (1850-1995), thèse de doctorat ès sciences de gestion, CNAM, Paris, 460 p.