



CHRISTIAN PIEL – PROJECT DIRECTOR

GEOGRAPHER - HYDROLOGIST

FOUNDER - MANAGER OF URBANWATER

With experience in the integration of the water cycle in urban areas, Christian Piel has been created and managed Urbanwater agency for the past 30 years. Associating urban planning and water more closely, and including a new dimension, that of water as a support for nature in the city, at all scales. As a project director, he is involved in all missions as the main interlocutor.

EDUCATION

INSTITUTION	DIPLOMAS OBTAINED
University Paris 4 Paris-Sorbonne	Diploma of Higher Scientific Studies in town planning and urban development
SOGREAH Grenoble	Continuing Education - Urban Hydrology Engineer
Conseil Général de Seine-Saint-Denis, Water and Sanitation Directorate	Vocational training - Hydrological engineer
Université Denis Diderot (Paris VII)	Master's degree in geography

PROFESSIONAL AFFILIATION



Idéal Co – Referent in the steering committee for the Integrated Management of rainwater and riverwater in urban areas



Observatoire Parisien de l'Eau – Member of the board of directors of the Participation Forum open to stakeholders of water and sanitation sector.



Cluster Eau Milieu Sols – Member of the Groupement universities and private centres of research in the fields of water, environments and soils



ICEB – Member and speaker at Institute for Eco-Responsible Design of Bâti.

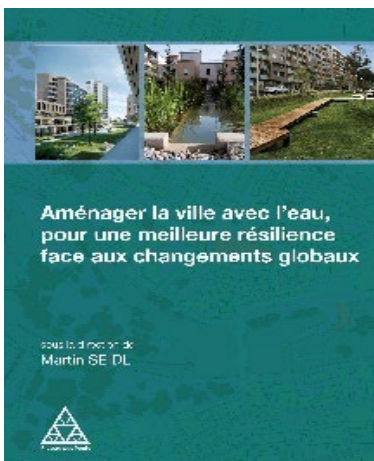


Vivant et la Ville – Member and partners of the Cluster of companies serving ecosystems in the city

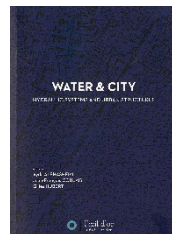


Ekopolis – Member and speaker for sustainable development and construction

RECENT PUBLICATIONS

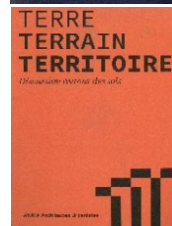
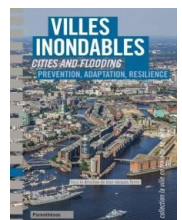


Aménager la ville avec l'eau, pour une meilleure résilience face aux changements globaux - Designing the city with water, for better resilience to global changes - under the direction of Martin Seidl – Edition Presse des Ponts, 2020

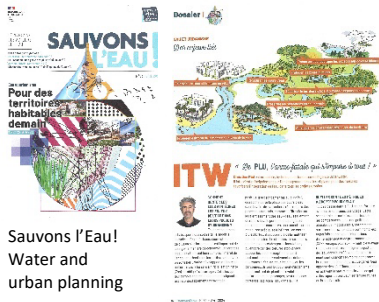


Water&city – hydraulic systems and urban structures – ayda alehashemi, jean-françois coulais, gilles hubert, christian piel – Editions. L'oeil d'or, 2020.

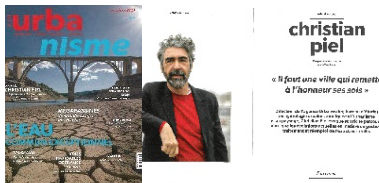
La ville support des porosités, les villes inondables en Europe - The City, Support for Porosities – Flood Cities in Europe – Atelier du Grand Paris/POPSU – Editions Parenthèses – March 2015 ; L'oeil d'or, 2020.



Terre Terrain Territoire – Discussion autour des sols – Discussion around soils – Editions ANMA architectes Urbanistes 2023



Sauvons l'Eau!
Water and urban planning



Urbanisme, Exceptional common water

Pierre d'Angle, magazine of the agence « Bâtiments de France »



Urbanisme du monde, Conference on trees and Water in Urban Areas



CAUE 75, Conference stormwater in urban areas



EPISeine – Conference on alternative stormwater management



National EcoQuartier 2013, The prix d'Avenir



RECENT ARTICLES

Sauvons L'eau ! Water and urban planning - for livable territories tomorrow April 2024

Construction 21 – Publication on Stormwater management in urban areas, an inscreasingly structuring issue 2024

Urbanisme, Exceptional common water, Guest Christian Piel, May-June 2023

Le Monde, Theme Drought in France, Interview with Christian Piel by Emeline Cazi, 31 March 2023

CEPRI Guides, "Nature-based adaptation solutions to prevent flood risks" July 2022

Pierre d'Angle – The magazine of the Agence of "Bâtiments de France" – Water, a source of architecture June 2021

ANMA journal n° 3 – Saint-Nazaire Submersion Studies – A word from Christian Piel September 2021

RECENT MAIN INTERVENTIONS

CEA Projet Walter – Support and expertise Urban Hydrology 2024

World Urban Forum Caire – Round table dialogue session #3 Stronger Together 2024

Commune de Uccle Bruxelles Wavre – Project for the realization of the Municipal Development Plan of Wavre 2024

Project J.D.I.D – Putting water at the service of sustainable development and the resilience of urban projects Tunis 2023

Urbanisme du Monde – Conference on Trees and Water in Urban Areas 2023

Cadres de Ville – Conferences on Water Valorization in Development Projects 2023

Audencia – Intervention on the theme of Water in the city 2023

Agence de l'Eau Seine Normandie - Round table and participation in the exhibition "Implementation of water management strategy" 2023

CEPRI Urban water management – Conference 2022

Idéal Connaissances – Conference on water for the resilient city 2021

EpiSeine (EPTB Seine Grands Lacs) – Conference on alternative stormwater management 2021

CAUE 75 – Conference on the recovery of stormwater in urban areas 2021

Water and City – International Conference – Hydraulic Systems and Urban Structures / Yazd 2018

IMV Hanoi - Intervention for the development of the Red River banks 2017

REWARDS

Imprint ideas competition – Living on the Manchois coast in 2050, a stopper in Genêts

National EcoQuartier 2013 – The Prix d'Avenir, by the Ministry of Ecology, Sustainable Development and Energy for the Vidal EcoDistrict, in Rémire-Montjoly (973)

Winner in the team "The waters of the Grand Paris Express". Theme "Air, water and soil

TEACHING

Science Po - Paris 7

EIVP – School of Engineers of the City of Paris 20

UTC - University of Technology of Compiègne

ENSAPL – Ecole de paysage de Lille

ENSAPB – Ecole Nationale Supérieure Architecture Paris-Belleville



PROFESSIONAL EXPERIENCE

Guadeloupe, France



Laos, Luandra



Schoelcher
Martinique



Diagram of jamali island



Zone of the Docks, Paris



Rainwater management and control plan

MISSION	PLACE	DATES	MISSION DESCRIPTION
Urban project management Flood risk expertise in urban renewal projects	France, Guadeloupe	Ongoing - 2024	Mission of Chief Integrative Urban Planner as part of Cap Excellence's NPNRU program - Recommendation report on natural hazards and resilient design Participation in the development of a guide plan / neighborhood projects Employer: CAP Excellence
Project management and renaturation of wetland	Laos, Luandra	On-going 2024	Management and renaturation of wetlands in Luang Prabang in Laos - General supervision of the studies and strategic, technical preparation of the various studies - Hydraulic, hydrological, and hydrogeological diagnosis of the project area - Ecological and urban technical feasibility study for the management and renaturation of wetlands Employer: GRET
Urban project to enhance coastal mud in the face of natural hazards	France, Martinique	Ongoing - 2023	Management and enhancement of the Schoelcher coastal mud - Integration of the coastline over the 5, 10 and 30 year horizon - Consideration of flood risk Employer: ville de Schloecher
Project management hydrology and landscape of the master plan for a hotel and the residential district of the coastal coves of Crusse and Jamali	Mozambique, Nacala	Ongoing - 2018	Urban, landscape and hydrological study for the establishment of a tourist centre on the islands of Jamali and Crusse to the south of Nacala. Employer: Executive Leisure Limited
Assistance to the project Concerted development zone of the Docks	France, Paris	Ongoing - 2015	Assistance to hydraulic contracting authority Rain and river water management strategy. Cooperation in drawing up the rainwater and river water management plan. Water law file (drafting and follow-up of the procedure). Technical assistance to the promoters and their project managers Grant files. Drawing up of lot sheets/transfer books/development ZAC regulations Employer: Séquano Aménagement
Assistance to the project owner Ile de Nantes concerted development zones	France, Nantes	Ongoing - 2015	Rainwater and river water management strategy for both operations, with a view to protecting and enhancing the resource (activation of green spaces, roofs on the Loire), and preventing flood risks (in this case, the millennium flood, due to the presence of a Teaching Hospital). Hydraulic support for project management on the scale of public spaces and private lots. Support to SAMOA concerning the follow-up of Water law procedures: production of "notifications to the public". Water law file Drawing up of lot sheets/transfer books/development ZAC regulations Employer: Samoa



Urban resilience Charenton Bercy



Niger, Niamey



The discovery of the Aygaldes stream



Iran - Yazd



Ground plan – Tétouan Maroc



ZAC of the Seine Banks Eco-Quartier

<p>Assistance to the project owner Charenton-Bercy concerted development zone</p>	<p>France, Paris</p>	<p>Ongoing - 2018</p>	<p>Assistance to the project owner on the flooding aspect (PPRI - Flood Risk Prevention Plan). Strategy for the site's resilience to flooding, with the aim which was met- of maintaining people and activities up to a 100-year flood. Water law file (drafting and follow-up of the procedure). Drawing up of lot sheets/transfer /ZAC regulations Assistance in drafting the Municipal Safeguard Plan</p> <p>Employer: Grand Paris Aménagement (GPA)</p>
<p>Project management assistance for flood prevention in Niger's large and medium-sized cities</p>	<p>Niger, Niamey</p>	<p>2022</p>	<p>Assistance in drawing up a landscape development plan for the banks of the Niger River, in the downstream crossing of the urban agglomeration of Niamey.</p> <p>Employer: Mouctar Mamoudou –</p>
<p>ZAC des Aygaldes</p>	<p>France, Marseille</p>	<p>2020</p>	<p>Expert appraisal to optimise the hydrological and maritime functions of the future Parc des Aygaldes (as a team with Architect François Leclercq) Drawing up of a rainwater management plan for exceptional and extreme rainfall in Aygaldes.</p> <p>Employer: Euroméditerranée Public Development Establishment</p>
<p>Project assistance for an expert mission</p>	<p>Iran, Yazd</p>	<p>2018</p>	<p>Within the framework of Urbanwater's research and development activities, Christian Piel cooperated with the Ecole Nationale des Ponts et Chaussées to set up a university chair in international urban hydrology. In September 2018, he took part in the workshop organised by ENPC on the impact of water on urban strategy in Yazd, Iran.</p> <p>Employer: Ecole Nationale des Ponts et Chaussées</p>
<p>Project management assistance for the development of the alternative project for the reconfiguration of the Oued Martil</p>	<p>Maroc, Tétouan</p>	<p>2018</p>	<p>Conception of an alternative project for the redevelopment of the Oued Martil valley in Tetouan, developing a more environmentally friendly and sustainable approach and offering a higher level of protection for the 100-year flood.</p> <p>Employer: French Development Agency</p>
<p>Assistance to the project owner Concerted Development Zone (ZAC) of the Seine Banks Eco-Quartier</p>	<p>France, Paris</p>	<p>2017-2005</p>	<p>Complete project management: design and execution. Landscape and hydraulic blueprint for rainwater and river water systems. Drawing up of lot sheets/transfer books/</p> <p>Employer: Gestec (Eiffage)</p>
<p>Project management assistance for the development of the future Bat Trang development master plan</p>	<p>Vietnam, Bat Trang</p>	<p>2017</p>	<p>Integration and landscape enhancement of rivers, water bodies, wetlands and shorelines, in the framework of the future Bat Trang development master plan, in view of climate change.</p> <p>Employer: DE SO Agency</p>
<p>Project management assistance for the implementation of a landscape master plan</p>	<p>Mauritanie, Nouakchott</p>	<p>2015</p>	<p>Survey for the implementation of a landscape master plan to integrate and enhance flood prevention works (temporary or permanent water bodies) to prevent the risks of rain and sea floods in peripheral urban districts.</p> <p>Employer: International Workshops for Project Management</p>
<p>Project management assistance for an expertise in the landscape enhancement of public spaces</p>	<p>Russie, Irkutsk</p>	<p>2014</p>	<p>Expert assessment for the landscaping enhancement of public spaces through the implementation of a sustainable management of excess rainwater and river water (implementation of a blue and green grid)</p> <p>Employer: International Workshops for Project Management</p>



Gelytsbeek Uccle

Project management for the uncovering of the Ru de Geleysbeek and development of the riverside public spaces

Belgium,
Uccle
Gelytskbeek

2014

Complete project management assignment (design and implementation) for the permanent re-watering of the "Geleysbeek Valley" in the urban agglomeration of Brussels. Restoration involving several sites, with the creation of water bodies, water theme parks, wetlands, pedestrian walkways forming islands of cool in the urban setting, a pedestrian promenade along the 3.5 km of the watercourse.

Current assignments involve 8 urban sectors, covering a total area of 12 ha. 4 of the projects have just been completed; one project is under construction, three are in the PRO (finalisation) phase and one new assignment is in the ESQ (initial planning) phase.

Employer: Brussels Environment

Project management assistance for the landscaping development of the Senegal Delta

Sénégal,
Saint-Louis

2012

Survey assignment for the landscaping development of the Senegal Delta, the preservation of the natural qualities of the Langue de Barbarie (sand bank preserving the urban area) and the urban integration of the Darou dam.

Employer: International Workshops for Project Management

Project management assistance for an expert mission for the feasibility of creating a green and blue network

Bénin,
Cotonou

2012

Assignment to assess the feasibility of creating a green and blue grid in Niamey, based on the system of pre-existing drainage channels.

Employer: French Institute

Expertise in the integration of constraints and opportunities relating to river water and rain

Vietnam,
Vung Tau

2012

Landscape guide plan for the application of a sustainable development process for the two natural parks, integrating and enhancing all the rainwater flood control equipment, by implementing, among other things, resource reuse systems for maintaining water bodies during periods of water stress, for the Vung Tau seaside resort.

Employer: AREP



Vung-Tau development plan

Creation of a square to take over the water storm

French Guiana,
Rémiré
Montjoly

2008

Master plan for landscaping and hydraulic works for the prevention of marine, river, rainwater and underground flooding in the new urban district of Cayenne - Project management for the landscaping design of the wetland urban park, the riverbanks, and all the channels for rainwater runoff.

Employer: French Guiana's Public Development Agency

Project management assistance for the development of the master plan for a new town

Afghanistan,
Debh Sabz

2006

Development of a guide plan for a sustainable new city on the outskirts of Kabul. With the aim of creating a "green" city, by optimising the management of water resources in favour of the greening of public spaces and the creation of water bodies.

Employer: Islamic Republic of Afghanistan

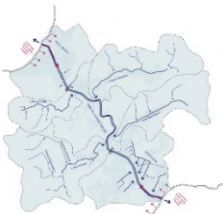
Project management assistance for a study of potential

Mayotte,
Mmonghani
Mangrove

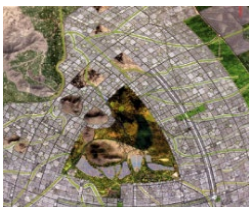
2005

Creation of a landscaped retention basin, water-filled exceptionally, in an urban subdivision on the seafront in a mangrove context.

Employer: City of Mamoutzou



Development orientation plan for the new town



Development orientation plan for the new town