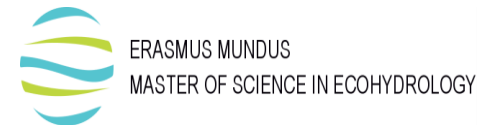




Welcome to EcoHydrology'2015

Lyon, France, from 21 to 23 September



Conference programme

3 days conference programme

	Main building	Le Prieuré building						
	Day 1 - 21 Sept.	Day 2 - 22 Sept.			Day 3 - 23 Sept.			
	SIROCCO Amphitheatre	SIROCCO Amphitheatre	RUBENS Ground Floor	CEZANNE - First Floor	RENOIR Second Floor	SIROCCO Amphitheatre	RUBENS Ground floor	CEZANNE First Floor
Part 1	Conference introduction	Topic 1	Topic 2	Topic 3	Erasmus Mundus Master thesis	Topic 1	Topic 4	Potential new demosites + 1 workshop
Part 2								
	Lunch							
Part 3	Introductions to topics	SIROCCO Amphitheatre - The network of demonstration sites in Ecohydrology			Conclusions of the conference based on the syntheses of the sessions & follow up			

Day 1

Day 21/09/2015		
Room		SIROCCO Amphitheatre
08:00	09:45	Task : Staff & technical installation
09:45	11:30	Opening of desk registration & welcome coffee break & posters installation
11:30	11:45	Welcome address by Dr. Pascal Breil.
11:45	12:30	Actions conducted for a decade in the Yzeron basin (western Lyon) to balance the ecological functioning of its river with human needs. Amphitheatre - Mr Alain Badoil, president of the Yzeron river's Syndicate, Mr Stéphane Guérin, director of the Syndicate and Mr Tim Fletcher (translator) .
12:30	12:45	Practical informations
12:45	14:00	Lunch & poster session
14:00	14:30	Introducon to topic I : Demosite - Ecohydrology systemic solutions enforced by biotechnologies for mitigation of impact and enhancement of sustainability in urban and agriculture landscapes. Prof. Maciej Zalewski - Head of the European Regional Centre for Ecohydrology
14:30	15:00	Introducon to topic II : Environmental Flow Science and Practice to Support Sustainable Development Goals. Prof. Michael McClain - UNESCO IHE
15:00	15:30	Introduction to topic III : Operationalizing the ecosystem services approach in water management practice. Dr. Jos Brils (DELTARES)
15:30	16:00	coffe break
16:00	16:30	Introduction to topic IV : New approaches in monitoring microbiological indicators of water quality. Prof. Ranya Amer (Acting Dean of Environment and Natural Materials Research Institute (ENMRI))
16:30	17:00	Reflections on integrating the four topics, from work at an ES Demonstration site (Lake Naivasha, Kenya) and a HELP basin (Welland, UK) Prof. David Harper, University of Leicester.

Day 2 – part 1

Day 22/09/2015									
Room		SIROCCO Amphitheatre		RUBENS - Ground Floor		CEZANNE - First Floor		RENOIR - Second Floor	
		Topic 1		Topic 2		Topic 3		Erasmus Mundus Master thesis	
08:30	08:35	Chair : Prof. M. Zalewski & Dr. Stefano Fazi		Chair : Prof. M. MacClain		Chair : Prof. David M Harper & Dr. Marylise Cottet		Chair : Prof. L. Chicharo	
		Presentation Title	author(s)	Presentation Title	author(s)	Presentation Title	author(s)	Presentation Title	author(s)
08:35	08:55	Managing eco-hydrological processes in the joint application of the water framework and flood directives: principles and best practice on the rhone mediterranean river basins	Terrier Benoit	Novel river eco-hydrological systems projected for europe	Laize Cedric, Acreman Mike, Overton Ian	Understanding the emergence patterns of wicked problems in water management - the perspective of long-term ecosystem research	Kinga Krauze	Hydrological infrastructures and water retention capacity of soils in a terraced landscape, Ponta Delgada-Madeira, Portugal.	Claudia Valeria Farez Roman
08:55	09:15	Ecohydrology for river and man sustainability	Kiedrzynska Edyta , Kiedrzynski Marcin, Zalewski Maciej	Quantifying effects of flow regulation on river habitat by 2d hydrodynamic modelling	Molnar Peter	Review of EH and ES integration as an intervention tool of spatial planning for urban streams	Azime Tezer	Investigating Hydrology, Ecology and Livelihood Linkages in the Mara Wetland, Tanzania using a Bayesian Network Model	Elliot Jack Cordell Hurst
09:15	09:35	Using gis-based modelling to develop local and national irish raised bog conservation programmes	Flynn Raymond , Mackin Francis , Barr Alan	Determination of method for estimating environmental flows (eflows) in poland	Parasiewicz Piotr, Prus Pawe, Suska Katarzyna	"Stream daylighting" as an approach for the renaturalization of riverine systems in urban areas: Istanbul-Ayamama stream case	Meltem Delibas, Azime Tezer	Typha domingensis and Eichhornia crassipes as Remediators of Heavy Metals in a Latin American Coastal Lagoon –Jacunem Lake, Brazil	Nada Ambrozic
09:35	09:55	Ecohydrological modelling as the basis for an integrated simulation of freshwater biota	Kiesel Jens , Ulrich Uta , Hering Daniel, Jähmig Somja, Schmalz Britta , Fohrer Nicola	Predicting streamflow regime for ecological studies in temporary rivers	De Girolamo Anna Maria, Lo Porto Antonio, Pappagallo Giuseppe	The bewater project promotes dialogue between the science and society on the future water management in four mediterranean case studies	Aleksandra Krivograd Klemenčič, Manca Magjar, Nataša Smolar-Žvanut	Antibiotic exposition in the aquatic ecosystem of schleswig-holstein, north of germany	Marie Arnaud
09:55	10:15	Ecohydrological approaches to resolve the water problems regionally— case studies from two unesco demo sites in china	Demin Zhou, Lili Hou, Huili Gong, Xiaojuan Li	Evaluating the ability of a statistical multivariate analysis to replicate relevant eco-hydrological indicators	D'ambrosio Ersilia , De Girolamo Anna Maria , Rulli Maria Cristina	An impact-driven reponse to South Africa's water challenges: CSIR's water sustainability flagship	Harrison Pienaar	Catchment influences on the hydrological flows to Lake Terra Alta (Linhães, ES, Brazil) and Ecohydrology perspectives	Monica Gago Gonzalez
10:15	10:45	coffe break							

Day 2 – part 2



10:15		10:45		coffe break					
Room		SIROCCO Amphitheatre		RUBENS - Ground Floor		CEZANNE - First Floor		RENOIR - Second Floor	
		Presentation Title	author(s)	Presentation Title	author(s)	Presentation Title	author(s)	Presentation Title	author(s)
10:45	11:05	Can catchment-wide stormwater retention really restore an urban stream? early signs from the little stringybark creek project	Fletcher Tim, Walsh Christopher, Bos Darren , Burns Matthew, Imberger Samantha	Testing the impact of stormwater source-control measures on the ecohydraulic response of an urban stream	Burns Matthew , Schubert Jochen, Fletcher Tim, Brett Sanders	How does forest cover impact water related ecosystem services? Improve functions' understanding for a better services assessment	Delphine Brogna, Marc Dufrière, Caroline Vincke, Nicolas Dendoncker	Comparison of methods identifying critical Phosphorus source areas and in-stream Phosphorus loads during a three month period of the Kalbach, Germany	Nicolai Brekenfeld
11:05	11:25	Can we combine the pluvial flooding control and the ecosystem services preservation in small streams exposed to a rapid urban development?	Pascal Breil, Oldrich Navratil, Laurent Schmitt, Biljana Radojevic	Optimization of conservation practice implementation strategies in the context of enviromental flow	Nejadhashemi A. Pouyan, Herman Matthew , Daneshvar Fariborz, Ross Dennis, Woznicki Sean, Zhang Zhen, Esfahanian Abdol-Hossein	Public support for wetland restoration: What is the link with ecosystem service values?	Samantha S. K. Scholte, Maya Todorova, Peter H. Verburg, Astrid J.A. van Teeffelen	Analysis of the water quality in a transection of the Vereshchytsya river (Ukraine) in relation to landscape and river characteristics	Olha Nikolenko
11:25	11:45	Stormwater infiltration in a peri-urban catchment: where does the water go?	Bonneau Jeremie, Burns Matthew, Fletcher Tim, Costelloe Justin	Environmental condition of debed river between 2010-2013	Badasyan Inga, Gayane Shahnazaryan	My river is not your river: resident's and expert's values associated with an urban river planned to be restored	Marylise Cottet, Marie Augendre, Dad Roux-Michollet, Hervé Tronchère	Assessing feasible options for sustainable water resource use to increase resilience in a semi-arid environment- Case study: Tucson, Arizona, USA	Kristin Kuhn
11:45	12:05	Oxygenation in water cascades: experiments and modelling	Marie-Noëlle Pons, Olivier POTIER, Hatem KHDHIRI, Jean-Pierre LECLERC	Functional restoration of a Rhine anastomosing channel: historical evolution, first results concerning hydromorphological monitoring and thermal infrared (TIR) remote sensing survey.	David Eschbach, Laurent Schmitt, Guillaume Piasny, Laurent Pfister, Michèle Trémolières, Jean-Nicolas Beisel, Pascal Finaud-Guyot, Sylvain Weill, Sylvain Payraudeau, Gwenaël Imfeld, Pierre Grussenmeyer, Etienne Supper	Youths' perspectives on ecosystem services at the river landscape Traisen	Kerstin Böck, Michaela Poppe, Sigrid Scheikl, Andreas Loach, Susanne Muhar	Water Resources in Lake Tana Basin: Statistical Analysis of Rainfall and Stream flow Time Series	Tibebe Belete Tigabu
12:05	12:25	T1 P1 : Poster 5 minutes oral presentations - 1 slide of the poster		T2 P1 : Poster 5 minutes oral presentations - 1 slide of the poster		Willingness to Pay for Watershed Conservation: Are we applying the correct paradigm?	Makarius Lali, Patrick Meire, Yonika Ngaga, Goddy Sanga	T3 P1 : Poster 5 minutes oral presentations - 1 slide of the poster	
12:25	12:45	Session synthesis Topic 1.1		session synthesis topic 2		Assessing ecosystem services of instream flows: the case of the Ter River	Didac Jorda-Capdevila, Beatriz Rodríguez-Labajos	session synthesis topic 3	
12:45	14:00	Lunch & poster session							

Day 2 – part 2

posters with 5 minutes presentations – only 1 slide of the poster
(see page 4 for timing of the poster sessions in each topic)



T1 P1		T2 P1		T3 P1	
Presentation Title	author(s)	Presentation Title	author(s)	Presentation Title	author(s)
Comparison between annual maximum and peaks over threshold models for flood frequency prediction	Mohamed Meddi, Khadidja Ketrouci	Designing new water management scenarios in altopinalopo semiarid landscapes (se. Spain). Integrating ecological thresholds, water demands and environmental impacts	Pastor-Lopez Antonio, Perez-Lahiguera Jose Antonio, Martinez Perez Jose Emilio	The value of urban forest in the rainfall-runoff processes	Enrique Gonzalez Sosa., Cesar Veliz Chavez, Carlos Mastachi Loza, Rocio Becerril Pina, N. Maricela Ramos Salinas
Multicriteria decision-making under uncertainty: a graphical approach for comparing the sustainability of urban flood risks management strategies	Edjossan-Sossou Abla Mimi	Application of probflo to the mara river basin: an innovative method to determine environmental flows	Fouchy Kelly, Conallin John, O'Brien Gordon, McClain Michael	The economic value of conjoint local management in water resources: results from a contingent valuation in the Boquerón aquifer (Albacete, SE Spain)	Carmen Rupérez-Moreno, Julio Pérez-Sánchez, Javier Senent-Aparicio, M ^a del Pilar Flores-Asenjo
Making the best use of ecological and efficiency indicators to guide flood risk project management / poster 1: using improved riverscape concept for design stages	Poulard Christine, Breil Pascal, Lafont Michel, Evette André, Schmitt Laurent, Vivien Régis, Laluc Mélanie	Ecosystem impacts of alpine water intakes ? the key issue of the sediment management	Gabbud Chrystelle, Lane Stuart		
Making the best use of ecological and efficiency indicators to guide flood risk project management / poster 2: evolution of indicators for decision making at different stages	Poulard Christine, Breil Pascal, Lafont Michel, Evette André, Schmitt Laurent, Vivien Régis, Laluc Mélanie				

Day 2 – part 3

12:45	14:00	Lunch & poster session	
		SIROCCO Amphitheatre	
14:00	14:10	Welcome by Mr Giuseppe Arduino	Mr Giuseppe Arduino, Chairperson, (UNESCO-IHP)
14:10	14:20	ERCE Demonstration Sites	Mr Maciej Zalewski- Professor and Director , European Regional Centre for Ecohydrology, Polish Academy of Sciences, Poland.
14:20	14:30	Ecohydrology for river and coastal ecosystems functions and services: UNESCO Guadiana Demosite	Mr Luis Chicharo - Professor and Director , International Centre for Coastal Ecohydrology, University of Algarve, Portugal.
14:30	14:40	Experiences of the environmental management in the Kaštela Bay	Ms Ivona Marasović – Professor, Institute of Oceanography and Fisheries, Split, Croatia
14:40	14:50	Kielstau Catchment: Ecohydrological analyses in the lowland river catchment Kielstau, Germany, for sustainable water resources management and education in rural landscapes	Ms Uta Ulrich – Researcher-Institute for Natural Resource Conservation, Kiel University, Germany
14:50	15:00	Towards a sustainable water resources management in the Tiber river basin: developing a UNESCO-EH Demo Site” (Authors: Stefano Fazi, Stefano Amalfitano and Stefano Casadei)	Mr Stefano Fazi, Researcher , National Research Council of Italy (CNR) - Water Research Institute (IRSA), Rome, Italy
15:00	15:10	A demonstration site in Ecohydrology of periurban areas - the Lyon city proposal	Mr Pascal Breil, Researcher , National Research Institute of Science and Technology for Environment and Agriculture (IRSTEA), France.
15:10	15:20	Local Engagement: Ecohydrology at Lake Naivasha, Kenya	Mr David Harper – Professor, Professor (Emeritus), Limnology & Catchment Science, Department of Biology; also Centre for Landscape & Climate Research, University of Leicester, United Kingdom.
15:20	15:30	Ethiopian Nile (Abay) Basin Irrigation & Drainage and Ecohydrology Projects – Ministry of Water, Irrigation and Energy, Addis Ababa, Ethiopia	Mr Yohannes Zerihun Negussi, Coordinator , Ethiopian Nile (Abay) Basin Irrigation & Drainage and Ecohydrology Projects – Ministry of Water, Irrigation and Energy, Addis Ababa, Ethiopia
15:30	16:00	coffe break	

Day 2 – part 3



15:30	16:00	coffe break	
16:00	16:10	Ecohydrology, Environmental Management and Flood Risk Management -University of La Plata- University of Buenos Aires, Argentina	Mr Marcelo Gaviño - Professor , Ecohydrology, Environmental Management and Flood Risk Management - University of La Plata- University of Buenos Aires, Argentina.
16:10	16:20	Water-related challenges in a globalizing city	Ms Ruth Gamboa – Assoc. Professor - University of the Philippines, Davao City, Philippines.
16:20	16:30	Integrated Catchment Management of Putrajaya Lake and Wetlands Ecohydrology Demonstration Site in Malaysia: Current Status and Lesson Learned	Mr Rahmah Elfithri - Senior Lecturer/Research Fellow, Institute for Environment and Development (LESTARI) Universiti Kebangsaan Malaysia (UKM), Malaysia.
16:30	16:40	Two study sites in both rural area and in Beijing city	Demin Zhou, Professor , College of Resources Environment and Tourism, Chinese Academy of Sciences, Beijing Capital Normal University, China.
16:40	16:50	Ecohydrology of Peri-urban Landscape and Urbanisation: Insights from Western Sydney Region, Australia	Mr Basant Maheshwari - Professor , Water, Environmental & Sustainability, School of Science & Health, University of Western Sydney, Australia.
16:50	17:00	Implementation of Ecohydrology Approach to Develop Demonstration Site Around Saguling Reservoir	Ignasius Sutapa - Executive Secretary, Asia-Pacific Centre for Ecohydrology - APCE, Cibinong, Indonesia
17:00	17:10	The web-platform contains information about the demonstration sites and their main characteristics (including related scientific papers etc.), major ecohydrology related events, funding opportunities and a link to apply to the Ecohydrology network. Application to become a UNESCO EH Demonstration site will be done through the web platform and “demo cards” will be constructed through an automatic user friendly process.	Introduction by Mr Giuseppe Arduino , Chairperson, (UNESCO-IHP)
17:10	17:40	“Presentation of the Ecohydrology Web Platform”	Mr Willbur Rogers de Souza, Hydroinformatics International Centre, Itaipu, Brazil
17:40	18:30	Discussion: How to improve the Web-platform	Mr Giuseppe Arduino , Chairperson, (UNESCO-IHP)
20:30	22:30	Gala Dinner at the conference Center	

Day 3 – Part 1



Day 23/09/2015								
Room		SIROCCO Amphitheatre		RUBENS - Ground floor		CEZANNE - First Floor		
		Topic 1		Topic 4		Potential new demosites		
08:30	08:35	Chair : Prof. M. Gaviño Novilo & Dr. Pascal Breil.		Chair : Prof. R. Amer & Dr. Philippe Namour		Chair : Dr. G. Arduino		
		Presentation Title	author(s)	Presentation Title	author(s)	Presentation Title	author(s)	
08:35	08:55	Aridization processes with increasing average annual rainfall at a desert fringe, northern negev desert, israel.	Yair Aaron	What we learned from turbidity based measurement for the monitoring of suspended sediment and pollutant bound-sediment in rivers?	Némery J., Aubert C., Belleudy Ph, Dutordoir S., Duvert C., Esteves M., Gratiot N., Legout C., Marçais J. Navratil O., Nord G., Piot C., Strady E.	The Lyon city Field Observatory for Urban Water Management	Prof. S. Barraud	
08:55	09:15	Does the bocage of brittany (f) mitigate floods ? from scientific controversies to public debate	Poulard Christine, Le Hénaff Guy, Armani Gilles, Achard Anne-Laure , Grimault Laurent	Oxygen profile in hyporheic zone: wooden stake methodology improvement	Pons M.N., Namour Ph., Breil P., Marmonier P., Vienney A., Guérold F., Wagner P., Guibaud G.	The Stringybark catchment experiment	Prof. T. Fletcher	
09:15	09:35	Re-design of an old flood reservoir built into a multi-functional flood reservoir with a usage of ecosystem technologies: a case study - 7fp turas	Griessler Bulc Tjasa, Jami Klara , Krivograd Klemenc Aleksandra	Characterization of dissolved organic matter in vosges mountains headwaters	Pons Marie-Noëlle, Pontvianne Steve, Dasle Marlène, Guerold François, Wagner Philippe, Legout Amaud	Welland basin, UK	Prof. D. Harper	
09:35	09:55	Ecohydrological implementation of a small floodplain reservoir ? first principle: monitoring of ecological and hydrological processes	Belka Kamila, Kiedrzyńska Edyta , Kiedrzyński Marcin , Zalewski Maciej	linking geochemical and ecological status in groundwater ecosystems: insights from resident biological communities	Zoppini A., Amalfitano S., Di Lorenzo T., Ghergo S., Lungarini S., Parrone D., Rossi D., Preziosi E.	New demosites discussion	Dr. G. Arduino	
09:55	10:15	The algal lift ? biogenic sediment transport	Mendoza-Lera Clara, Federlein Laura, Knie Matthias, Mutz Michael	Monitoring drainage systems for assessment of matter transport into surface water bodies	Ulrich U., Schmalz B., Wu N., Fohrer N.			
10:15	10:45	coffe break						

Day 3 – Part 2







10:15	10:45	coffe break					
10:45	11:05	Planted detentive filters for treating combined sewer overflow	Palfy Tamas Gabor , Meyer Daniel, Troesch Stephane, Molle Pascal, Gourdon Remy	Statistical generation of training sets for measuring NO3 and NH4 in natural waters by a novel multi-analyte ion selective electrode array	Mueller A.V., Hemond H.F.	Workshop (in french depending of the public) with water agencies on the wooden stick methodology to monitor extensively the river substrate clogging	Dr. M.N. PONS
11:05	11:25	A technique for modelling saline water equilibrium in natural hydro-geochemical systems	Ghanem Ayman , Bouhlila Rachida	systematic methodology of analysis for revealing the pollutant distribution in river	Namour Ph., Schmitt L., Breil P.	Workshop synthesis	
11:25	11:45	T1 P2 : Poster 5 minutes oral presentation		In channelwood raft and ice cover monitoring using automatic processing ground imagery	Véronique Benacchio, Hervé Piégay, Thomas Buffin-Bélanger, Lise Vaudor, Kristell Michel	Meeting of the chairs of the topic sessions + Keynote speakers in the aim to prepare the conference synthesis and follow up.	
11:45	12:05	session synthesis topic 1.2		T4 P1 : Poster 3 minutes oral presentation			
12:05	12:25						
12:25	12:45			session synthesis topic 4			
12:45	14:00	Lunch & poster session					

Day 3 – Part 3

12:45	14:00	Lunch & poster session
14:00	15:30	SIROCCO Amphitheatre Conclusions of the conference based on the syntheses of the sessions & follow up
15:30	16:00	coffee break & posters removing
16:00	18:30	Departure for cultural events - Lyon city tour / Wine degustation initiation

T1 P2	Authors' names	T4 P1	Authors' names
Presentation Title	author(s)	Presentation Title	author(s)
The dynamics of wood vegetation coverage and deep soil moisture in dryland ecosystems	Dinghai Zhang	Effects of river restoration on hydrodynamic processes and vegetation composition	Barth W., Egger G., Muhar S.
Microclimate and soil hydrological response in mediterranean shrubland of southeast Spain	Ruiz-Yanetti Samantha <i>et al.</i>	Caractérisation of hyporheic DOM by optical methods	Adouani N., Zhang Y., Assaad A., Pons M.N.
Role of afforestations on soil water balance in mediterranean areas	Manrique-Alba Angela <i>et al.</i>	Enhancement mineralization of bottom sediments from eutrophic reservoir by the use of the soil bacteria	Szulc K., Sas-Paszt L., Zalwski M.
Influence of external resistor on denitrifying activity of a pure strain of <i>Pseudomonas stutzeri</i> in microbial fuel cells	Jobin Lucas, Pommier Thomas, Jose Catherine, Gervais Jonathan, Namour Philippe	Measuring of the bacterial gaseous emission in river sediment	Gervais J., Poly F., Breil P., Namour Ph.
Coupling hydrology and microbial community dynamics in urbanized areas: insights from the river Tevere (Rome, Italy)	Amalfitano Stefano, Casadei Stefano, Fazi Stefano	Continuous isotopic water sampling cavity ring-down spectroscopy (CIWS-CRDS) for real-time measurements of water isotopes	Kim-Hak D., J. Dennis K., Winkler R., Carter J.
<p style="text-align: center;">Day 3</p> <p>Poster presentation with 5min. in topic 2 and 3min. of presentation in topic 3.</p> <p>Only 1 slide of the poster</p>		Influence of external resistor on denitrifying activity of a pure strain of <i>Pseudomonas stutzeri</i> in Microbial Fuel Cells	Jobin L., Pommier T., Jose C., Gervais J., Namour Ph.
		Amperometric detection of extended-spectrum beta-lactamase producing <i>Escherichia coli</i> in wastewater samples	Chantemesse B., Betelli L., Hartmann A., Vienney F., Rochelet M.
		Rapid amperometric detection of <i>Escherichia coli</i> in wastewater by measuring β -D glucuronidase activity with disposable carbon sensors	Rochelet M., Vienney F., Betelli L., Solanas S., Chantemesse B., Hartmann A.
		Pesticides dynamics in the catchments and possibilities of reduction their transfer to freshwater ecosystems and coastal zones	Jarosiewicz P., Kwiatkowska M., Bukowska B., Zalewski M.
		Assessment of the occurrence of marine pharmaceutical pollutants in the semi-arid Mediterranean context using bioassay systems and chemical identification	Ben Mansour H.
		"Snapshot" characterization of industrial rivers	Marie-Noëlle Pons, aziz assaad

Météo Lyon à 5 jours

	Samedi 19 09 2015	Dimanche 20 09 2015	Lundi 21 09 2015	Mardi 22 09 2015	Mercredi 23 09 2015	Jeudi 24 09 2015
						
Matin :	12°C	11°C	9°C	10°C	11°C	9°C
A.-M. :	19°C	20°C	21°C	21°C	18°C	21°C
Vent :	15 km/h	25 km/h	10 km/h	20 km/h	10 km/h	20 km/h
Direction :	N	N	N	SW	W	NW

Météo France après-midi

It is better to take an umbrella!

