

SEASONAL SCHOOL

WAT-CHANGE - Water-related ecosystem services and nature-based solutions for adapting societies to climate change

Course programme

Date	Time	Lecturer	Institution/company	Lecture/Activity	Room
November 3 rd	9:00 – 11:00	Pietro Tonutti/Rudy Rossetto	Scuola Superiore Sant'Anna	Welcome by the Head of the Institute of Crop Science / Course introduction Nature-based solutions and water-related ecosystem services to adapt to climate change	Aula 5 - Main building (Piazza Martiri della Libertà)
November 3 rd	10:00 – 12:00	Luca Sebastiani	Scuola Superiore Sant'Anna	Phytotreatment of inorganic and organic xenobiotics	Aula 5 - Main building (Piazza Martiri della Libertà)
November 3 rd	12:00 – 13:00	Rudy Rossetto	Scuola Superiore Sant'Anna	Vulnerabilities of traditional water resources management. Group work	Aula 5 - Main building (Piazza Martiri della Libertà)
November 3 rd	13:00 – 14:30			Lunch pause	
November 3 rd	14:30 – 16:30	Anacleto Rizzo	Iridra srl	Sustainable drainage systems: nature-based solutions for urban runoff management	Aula 5 - Main building (Piazza Martiri della Libertà)
November 3 rd	16:30 – 18:30	Anacleto Rizzo	Iridra srl	Sustainable drainage systems: laboratory of Water Sensitive Urban Design	Aula 5 - Main building (Piazza Martiri della Libertà)
November 4 th	9:00 – 13:00	Rudy Rossetto	Scuola Superiore Sant'Anna	Field trip to the Massaciuccoli Lake Basin (visit to the phytotreatment schemes for rural drainage water and the wetland, sampling and monitoring of surface water)	Field trip
November 4 th	13:00 – 14:30			Lunch pause and transfer to the Institute of Crop Science	
November 4 th	14:30 – 16:30	Alessandra Francini	Scuola Superiore Sant'Anna	Lab activity: Determination of nutrients by Photometer analyses in surface water	Lab.- Via Alamanni 22 SGT
November 4 th	16:30 – 18:30	Alessandra Francini	Scuola Superiore Sant'Anna	Lab activity: Determination of heavy metals by Microwave Plasma-Atomic Emission Spectroscopy analyses in surface water	Lab.- Via Alamanni 22 SGT
November 5 th	9:00 – 11:00	Rudy Rossetto	Scuola Superiore Sant'Anna	Design and operation of managed aquifer recharge schemes	Aula 5 - Main building
November 5 th	11:00 – 13:00	Andrea Mandarino	Italian Center for River Restoration (CIRF)	River restoration: principles, techniques and case studies	Aula 5 - Main building
November 5 th	13:00 – 14:15			Lunch pause	
November 5 th	14:15 – 18:30	Workshop		Nature-based solutions and Managed Aquifer Recharge. Application, case studies and market perspectives.	Sala Talento all'Opera – Palazzo Pilo Boyl
November 5 th	18:30 - 20:00			WAT-CHANGE Seasonal School Social Aperitif	
November 6 th	8:15 – 19:15	Rudy Rossetto	Scuola Superiore Sant'Anna	Field trip to Val di Cornia (visit to Managed Aquifer Recharge scheme, River Restoration works, Tertiary treatment schemes for water reuse, sampling and monitoring of groundwater)	Field trip
November 7 th	9:00 – 11:00	Andrea Saba	Scuola Superiore Sant'Anna	Ecosystem Services, Water and Climate Change: Navigating the 2023-2027 EU Common Agricultural Policy	Aula 5 - Main building
November 7 th	11:00 – 13:00	Riccardo Bresciani	Iridra srl	Treatment wetlands as nature-based solutions for water pollution control: typologies and sizing methods	Aula 5 - Main building
November 7 th	13:30 – 14:15			Lunch pause	
November 7 th	14:15 – 16:15	Alberto Pirni	Scuola Superiore Sant'Anna	Water ethics: principle and open challenges	Aula 5 - Main building
November 7 th	15:15 – 16:15	Rudy Rossetto	Scuola Superiore Sant'Anna	Nature-based solutions within the water-energy-food-ecosystem NEXUS	Aula 5 - Main building
November 7 th	16:15 – 17:15	Rudy Rossetto	Scuola Superiore Sant'Anna	Final assessment	Aula 5 - Main building
November 7 th	17:15 – 18:15	Rudy Rossetto	Scuola Superiore Sant'Anna	Final discussion	Aula 5 - Main building