

## training meeting

27-28-29 November 2019

(to be confirmed)





# Tentative schedule

- 1st day
  - a) Overview of teaching and R&D activities of IST - Hydrology, Environment and Water Resources**
  - b) CERIS - Laboratory Facilities on Hydraulics & Environment**



- National water catchment plans according to WFD
- Transboundary river Tejo management (Portugal & Spain)
- Water governance
- Groundwater and Global Change Erasmus+ Master Science Program (IST, IHEDelft, TUDresden)



# Wastewater treatment plan of Lisbon

- 2nd day

- a) Wastewater Treatment Plant of Lisbon**

- b) Main Drainage Plan of Lisbon**

# Wastewater treatment plan of Lisbon

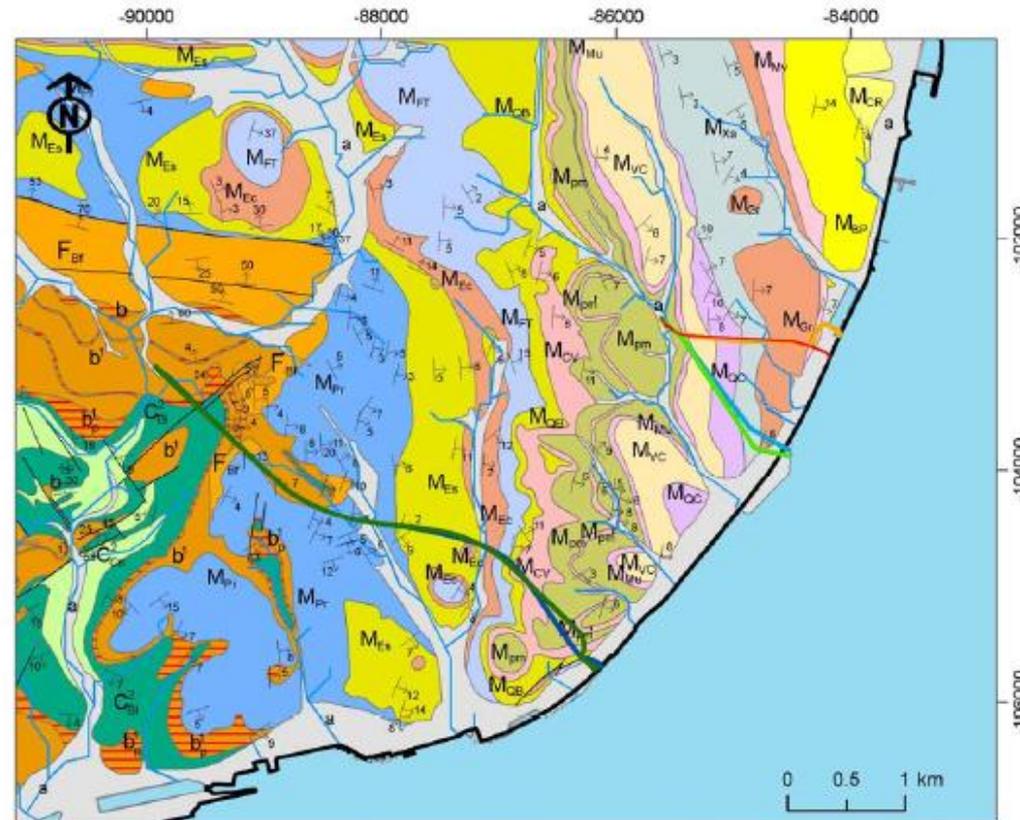








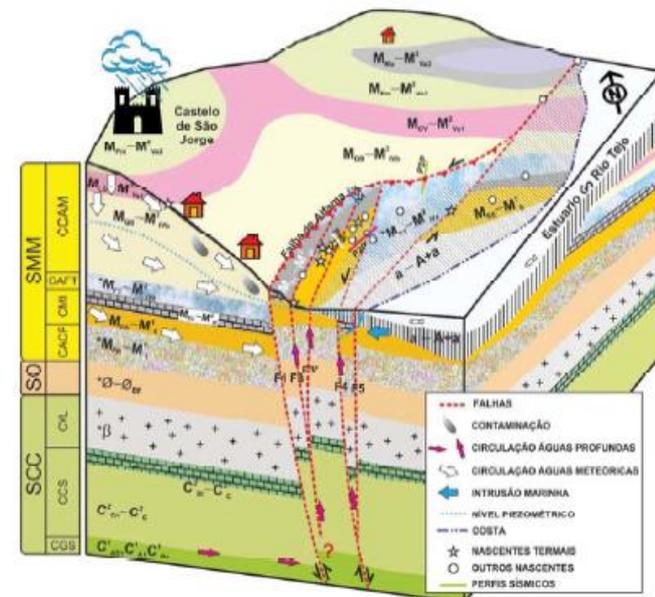
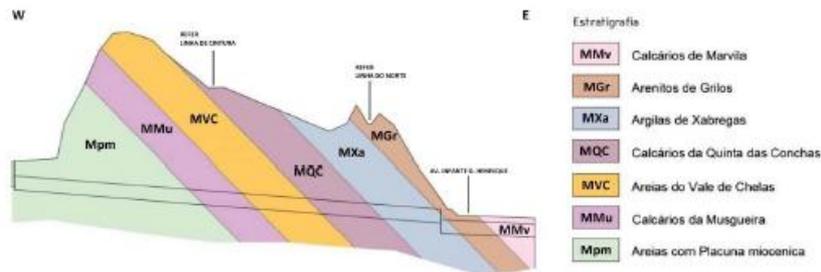
# Main Drainage Plan of Lisbon



**Legenda:**

- |  |  |   |
|--|--|---|
|  Limite Concelho Lisboa                 |  Rede hidrográfrica         |  Faixa geológica |
|  Traçado túnel Campolida - Sta Apolónia |  Traçado túnel Chelas       |   |
|  Alternativa de base (TMSA1)            |  Alternativa de base (TCB1) | <b>SISTEMA DE REFERÊNCIA</b>  |
|  Alternativa 2 (TMSA2)                  |  Alternativa 2 (TCB2)       | Datum: 73 Mayford Gauss IPCC  |
|  |  Alternativa 3 (TCB3)       |   |
|  |  Alternativa 4 (TCB4)       |   |

# HYDROGEOLOGY





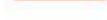
- **3rd day**

**a) Lisbon water supply system**

**b) Water cultural heritage**

# LISBON WATER SUPPLY SYSTEM

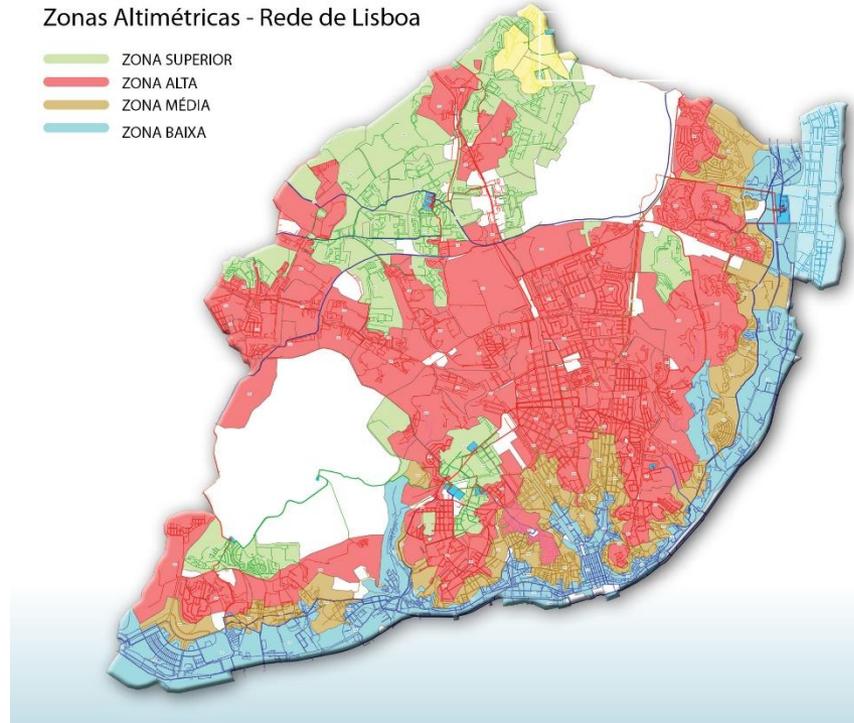


	AQUEDUTO ALVIELA		CONCELHOS DIRETAMENTE ABASTECIDOS PELA EPAL
	ADUTOR CASTELO DO BODE		CONCELHOS ABASTECIDOS PELA EPAL ATRAVÉS DA ÁGUAS DO VALE DO TEJO
	SISTEMA MÉDIO TEJO		CONCELHOS ABASTECIDOS PELA EPAL ATRAVÉS DA ÁGUAS DO RIBATEJO
	AQUEDUTO TEJO		
	ADUTOR CIRCUNVALAÇÃO		
	ADUTOR V.F. XIRA-TELHEIRAS		

# LISBON WATER SUPPLY SYSTEM

Zonas Altimétricas - Rede de Lisboa

-  ZONA SUPERIOR
-  ZONA ALTA
-  ZONA MÉDIA
-  ZONA BAIXA





# WATER CULTURAL HERITAGE

















See you in Lisbon !