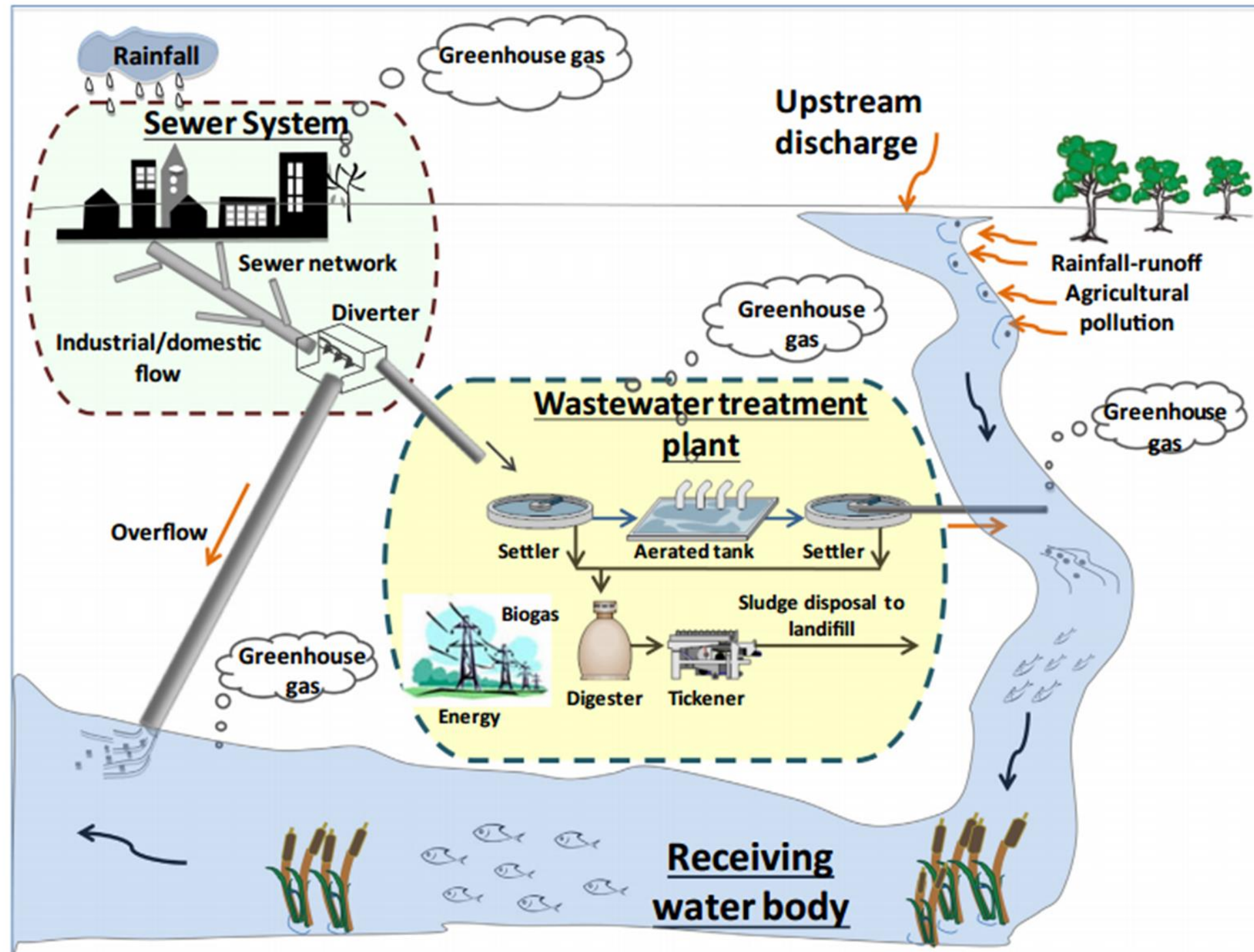


STUDENT TRAINING AND RESEARCH COLLABORATION: FROM UGENT'S EXPERIENCE

Long Ho – 28/08/2019

CASE STUDY 1: GREENHOUSE GAS EMISSION IN CUENCA RIVER

GHG EMISSION FROM URBAN RIVER SYSTEMS

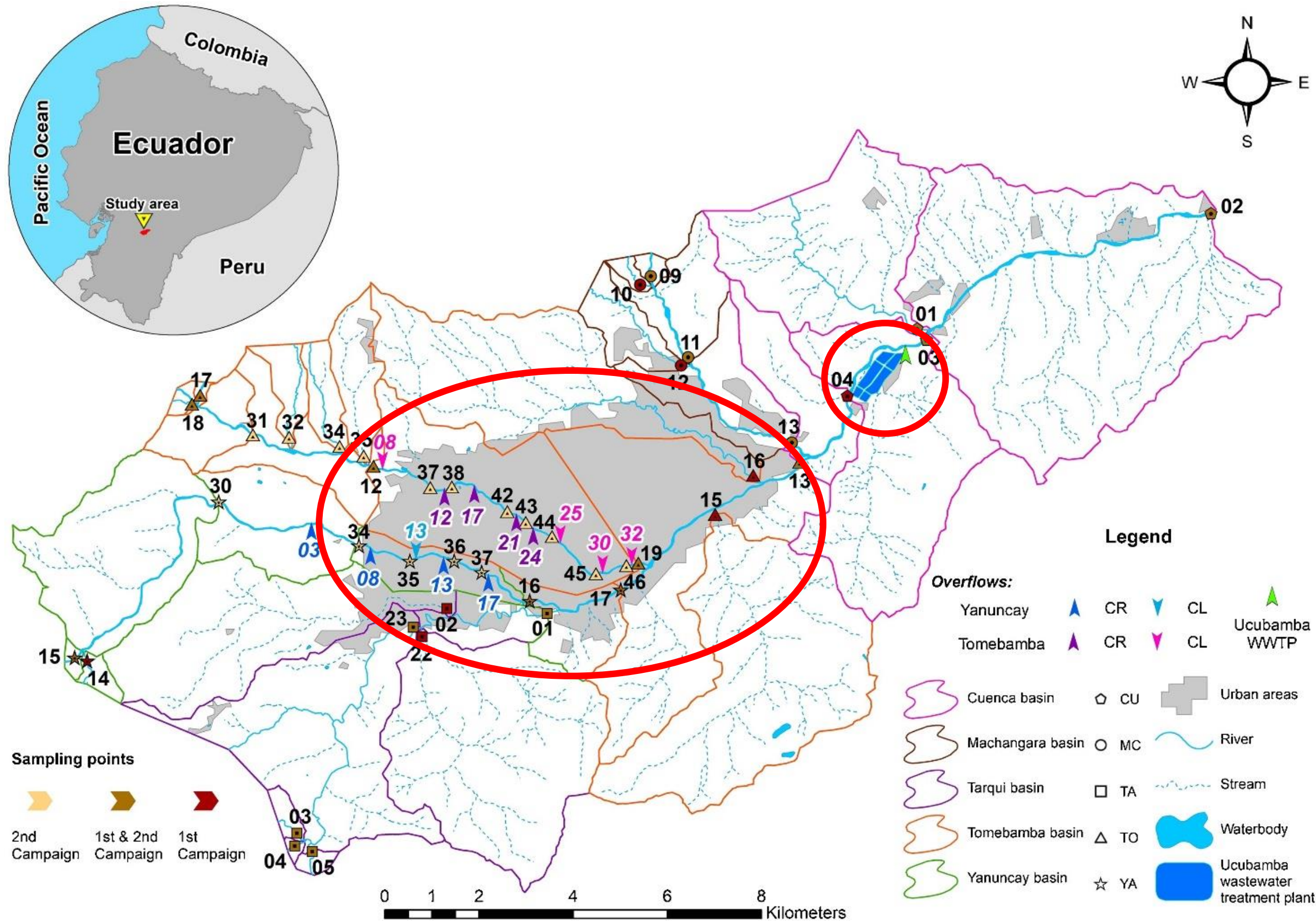


GOALS

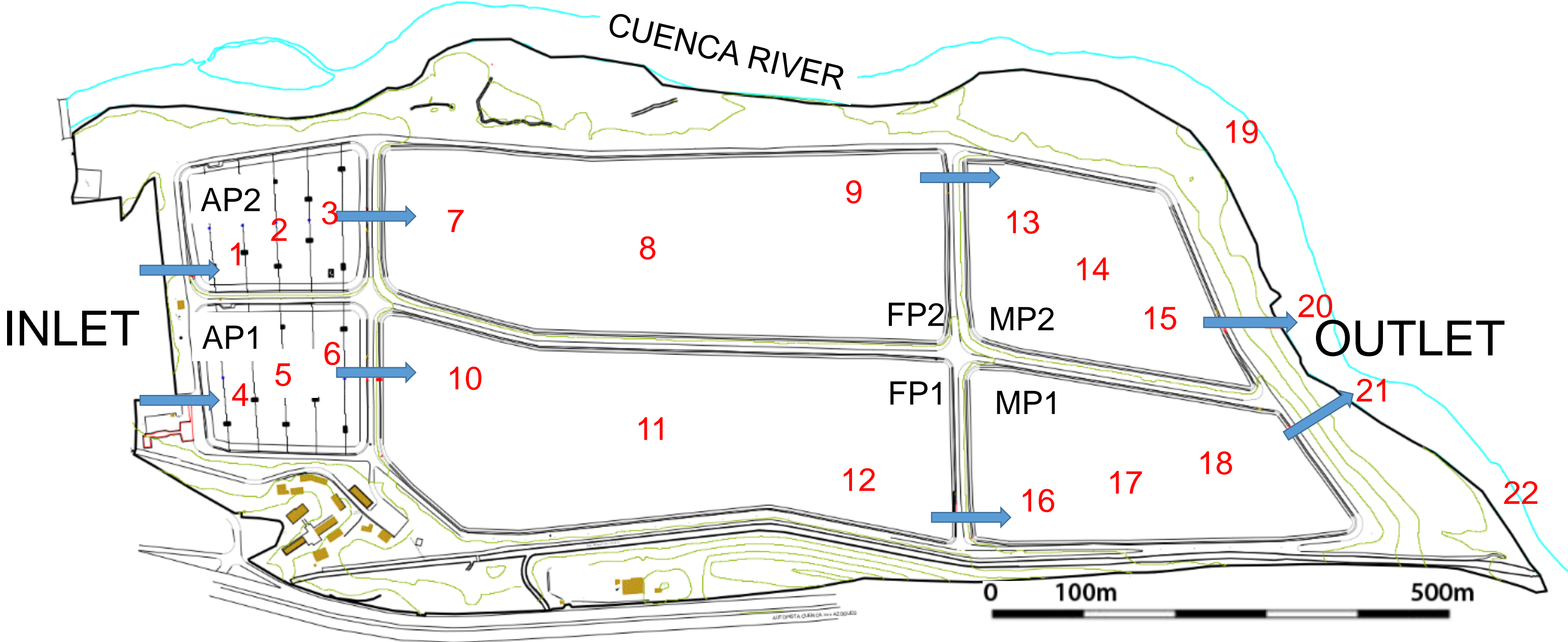


- Assess the GHG emission from the Ucubamba WWTP and the Cuenca urban rivers (Ecuador)
- Development monitoring and control strategies for the reduction of the GHG emission

SAMPLING CAMPAIGN IN CUENCA RIVER BASIN



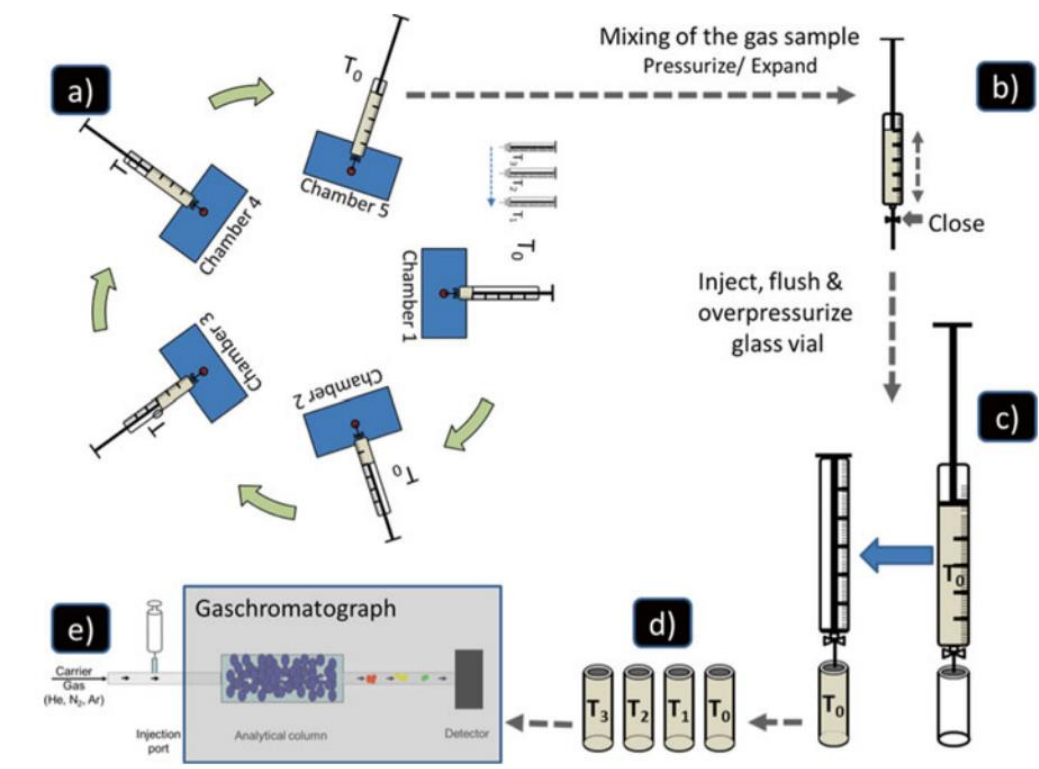
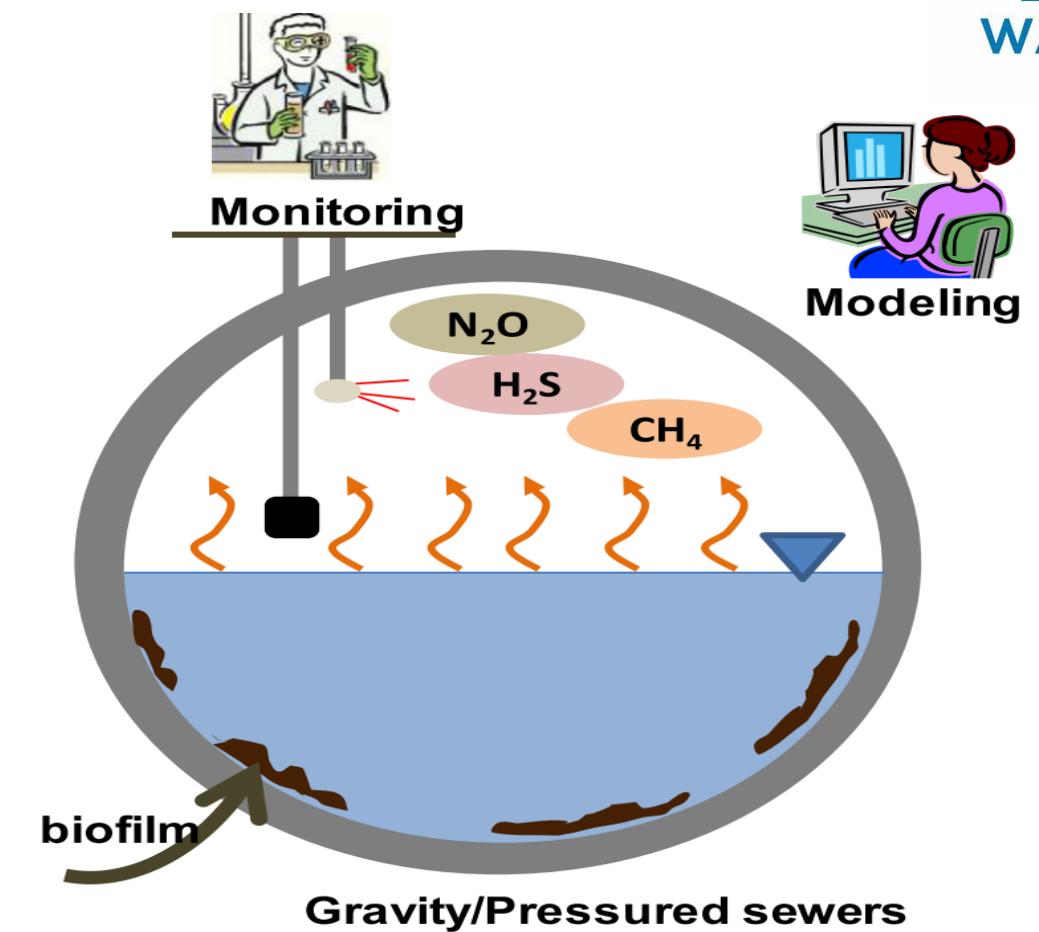
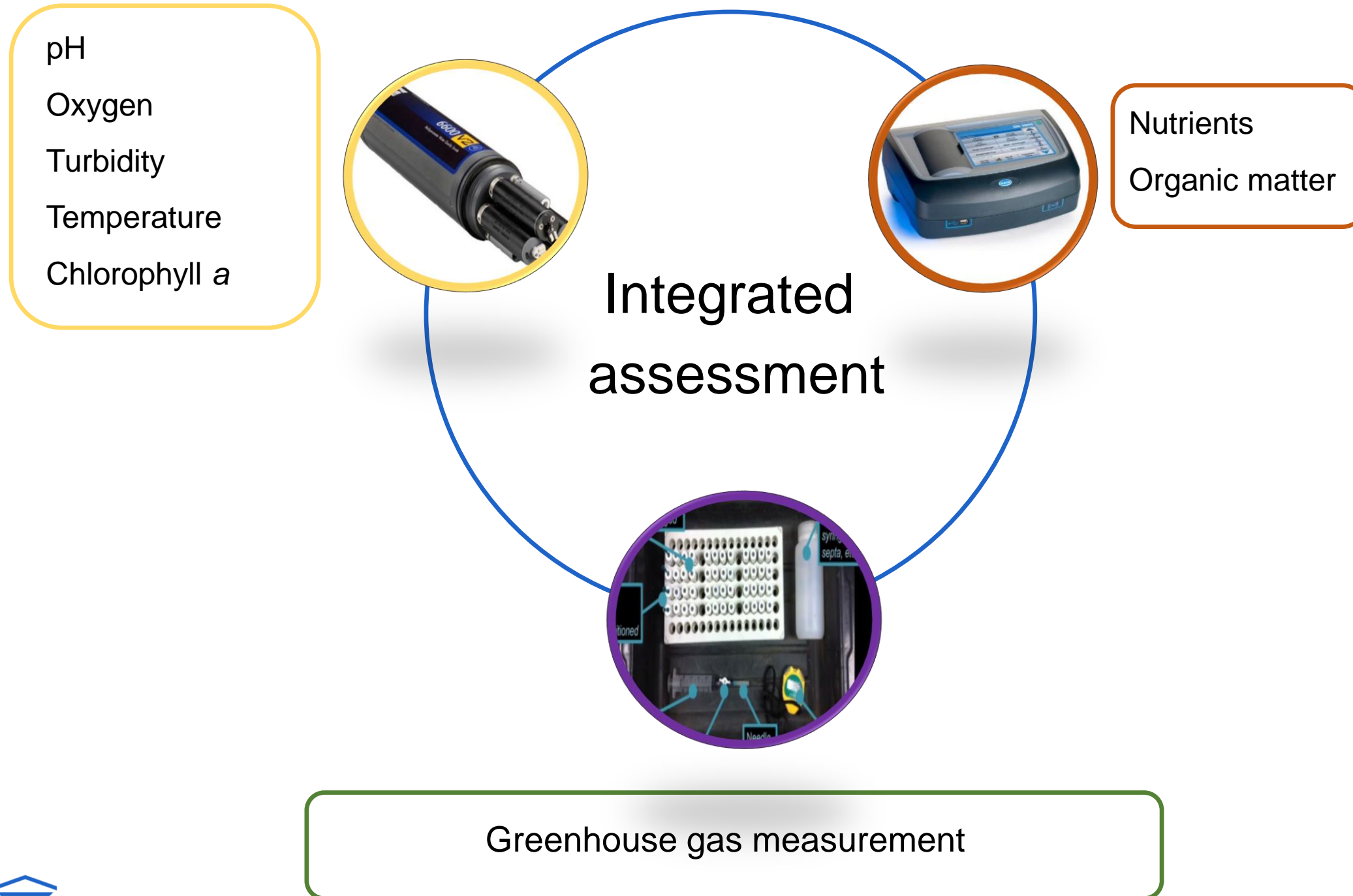
SAMPLING CAMPAIGN IN UCUBAMBAMBA WWTP



STUDENT TRAINING



THEORETICAL TRAINING



PRACTICAL TRAINING



DEVELOPING CURRICULUM IN COLLABORATION



WATERMAS

Water Management and Climate Change in the Focus of International Master Programs

FUNCTIONING OF THE HIGH MOUNTAIN LAKES IN THE VIEW OF POSSIBLE FUTURE TEMPERATURE CHANGES & SPATIO VARIATION OF THE PERFORMANCE OF PONDS

Erasmus+ project 586345-2017



Prepared by:

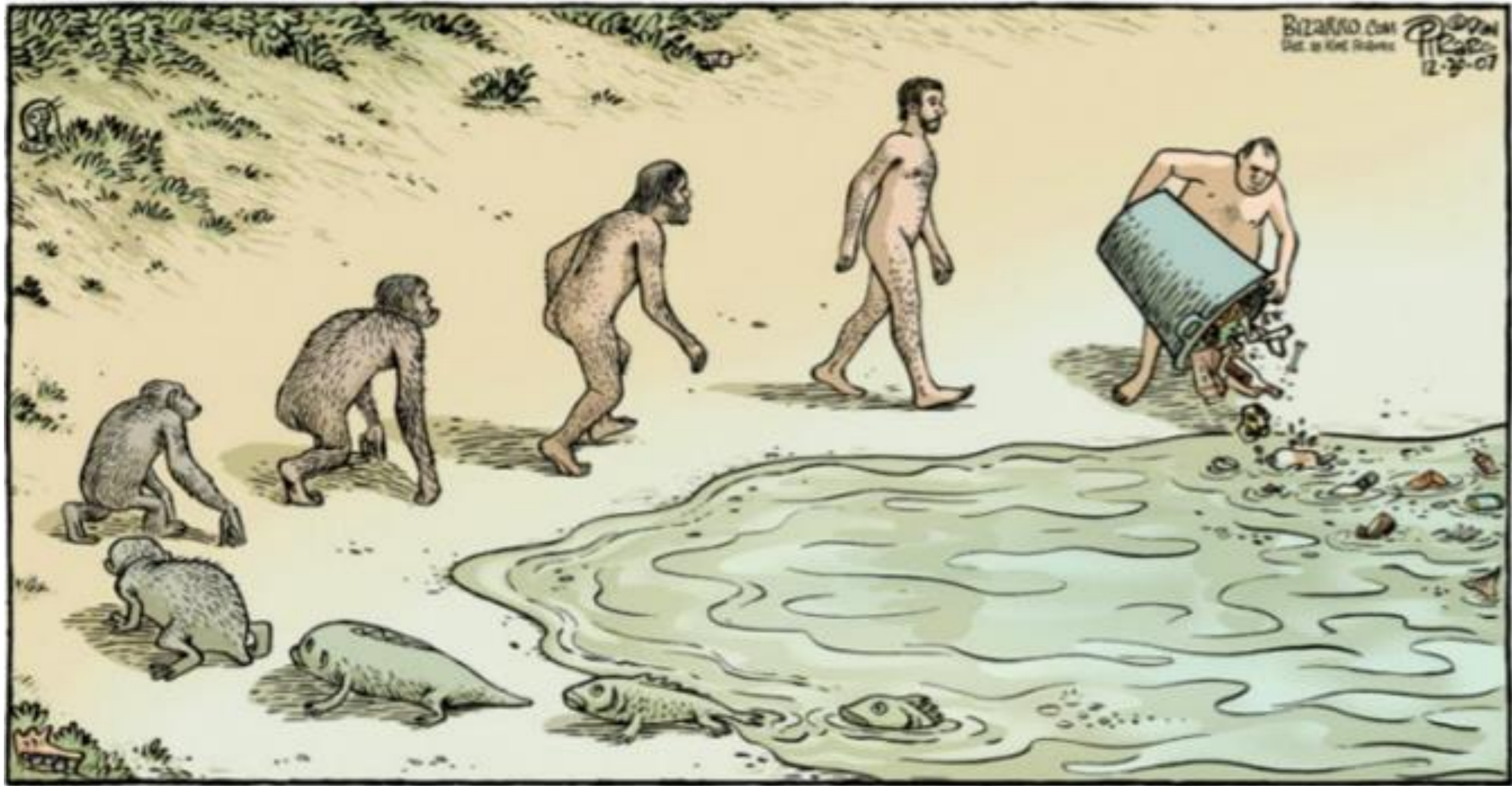
ORGANISATION	NAME	SIGNATURE	DATE
University of Cuenca	Henrietta Hampel		31/01/2019
UGent	Peter Goethals, Long Ho		17/06/2019

TABLE OF CONTENT

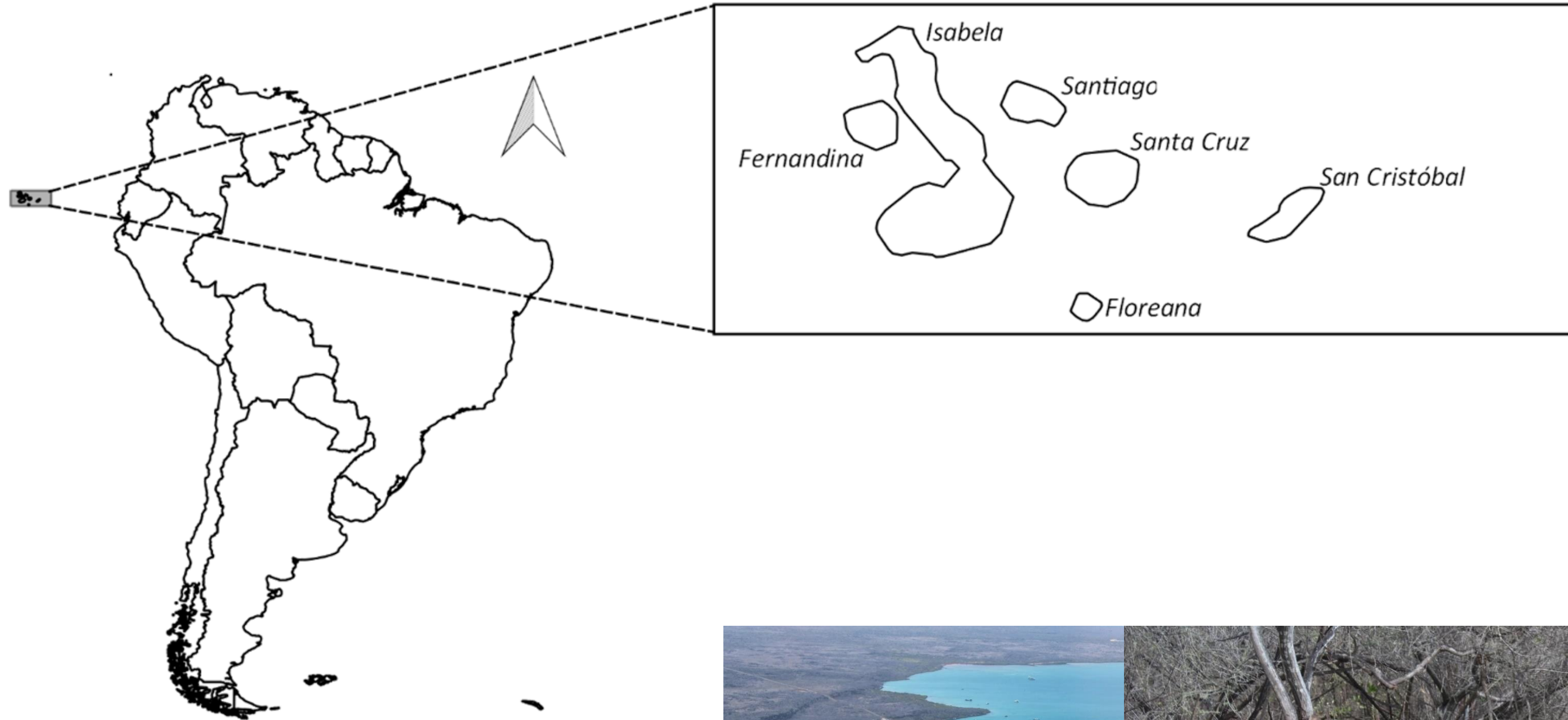
1	FIRST CASE STUDY - HIGH MOUNTAIN LAKES.....	4
1.1	Case study description	4
2	PHYSICAL-CHEMICAL DATA ALONG THE WATER DEPTH OF THE LAKES.....	5
	Change of lake physical-chemical characteristics along the depth.....	5
2.1	Exercise 1: Use temperature data recorded in the different lakes to plot them as profile versus de depth.	8
2.2	Exercise 2: Use oxygen data recorded in the different lakes to plot them as profile versus de depth.	8
2.3	Exercise 3: How to deal with outliers and missing data	9
2.4	Conclusions drawn from the exercises	10
3	CHANGES IN WATER TEMPERATURE OVER TIME	10
3.1	Change of lake temperature along the temporal scale	10
3.2	Exercise 1: Use temperature data in the epi- and hypolimnium of one of the lake (depth > 20 m) and plot them along the time line	11
3.3	Exercise 2: Use temperature data in the epi- and hypolimnium of one of the lake (depth < 20 m) and plot them along the time line	11
3.4	Conclusions drawn from the exercises	12
3.5	Exercise 3: Repeat the exercise 3.1 and 3.2 but increase the temperature of epilimnium with 2 C°	12
3.6	Conclusions drawn from the exercises	12
4	SECOND CASE STUDY – WASTEWATER TREATMENT PONDS	13
4.1	Waste Stabilization Ponds	13
4.2	Main types of treatment ponds.....	13
4.2.1	Anaerobic ponds.....	13
4.2.2	Facultative ponds.....	15
4.2.3	Maturation ponds.....	18
4.2.4	Aerated ponds	20
5	CASE STUDY DESCRIPTION	21
5.1	Study area	21
5.2	Sampling campaign.....	21
5.3	Exercises	22
5.3.1	Exercise 1: Using boxplots to investigate the difference among ponds, campaigns, and depths.....	22
5.3.2	Exercise 2: Investigate the correlation coefficient among the variables....	23
5.3.3	Exercise 3: Using descriptive statistics to investigate the spatial variations	

CASE STUDY 2: INTEGRATED WATER MONITORING IN THE GALAPAGOS ISLANDS

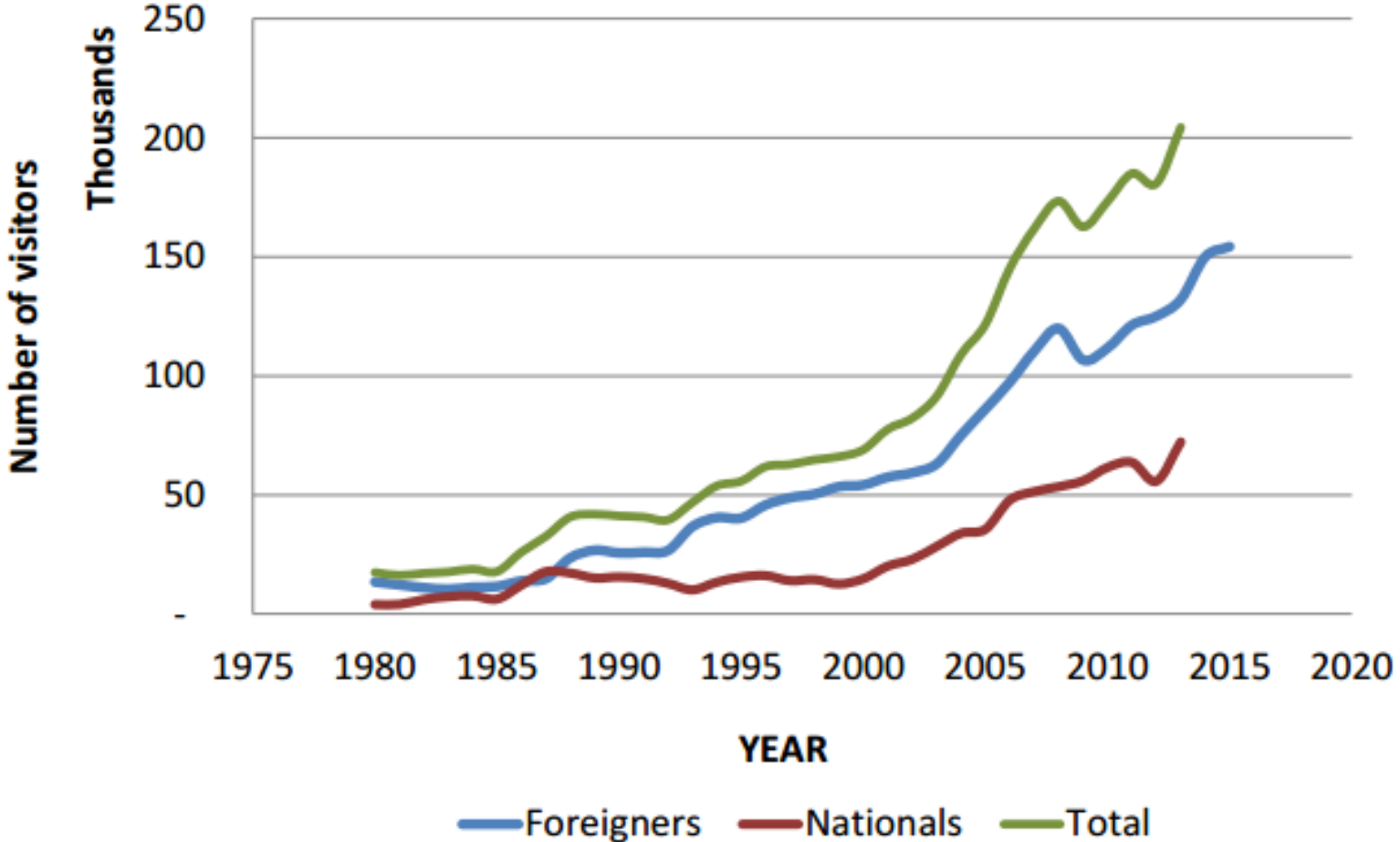
...BACK TO THE OCEAN



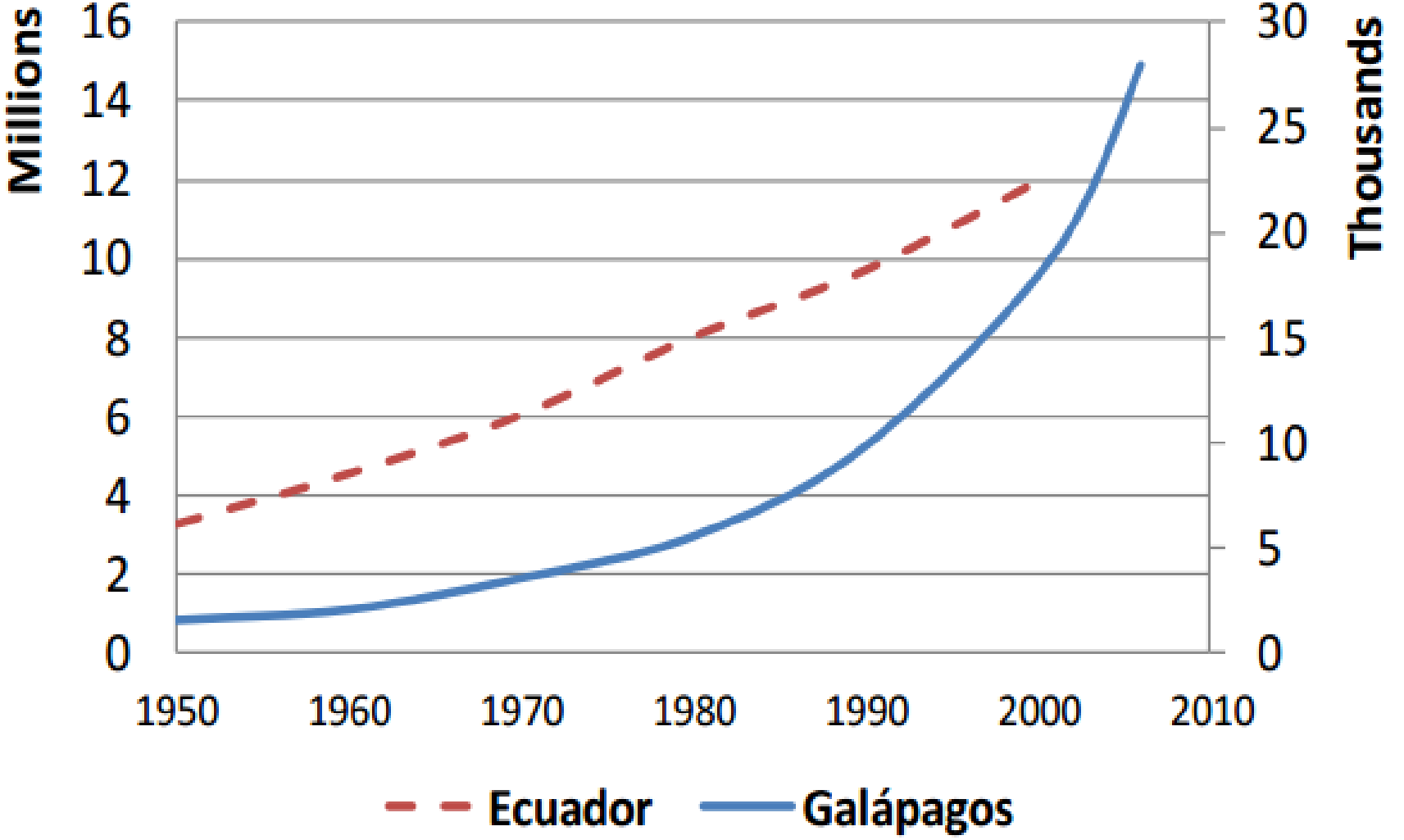
GALAPAGOS – VULNERABLE ISLANDS



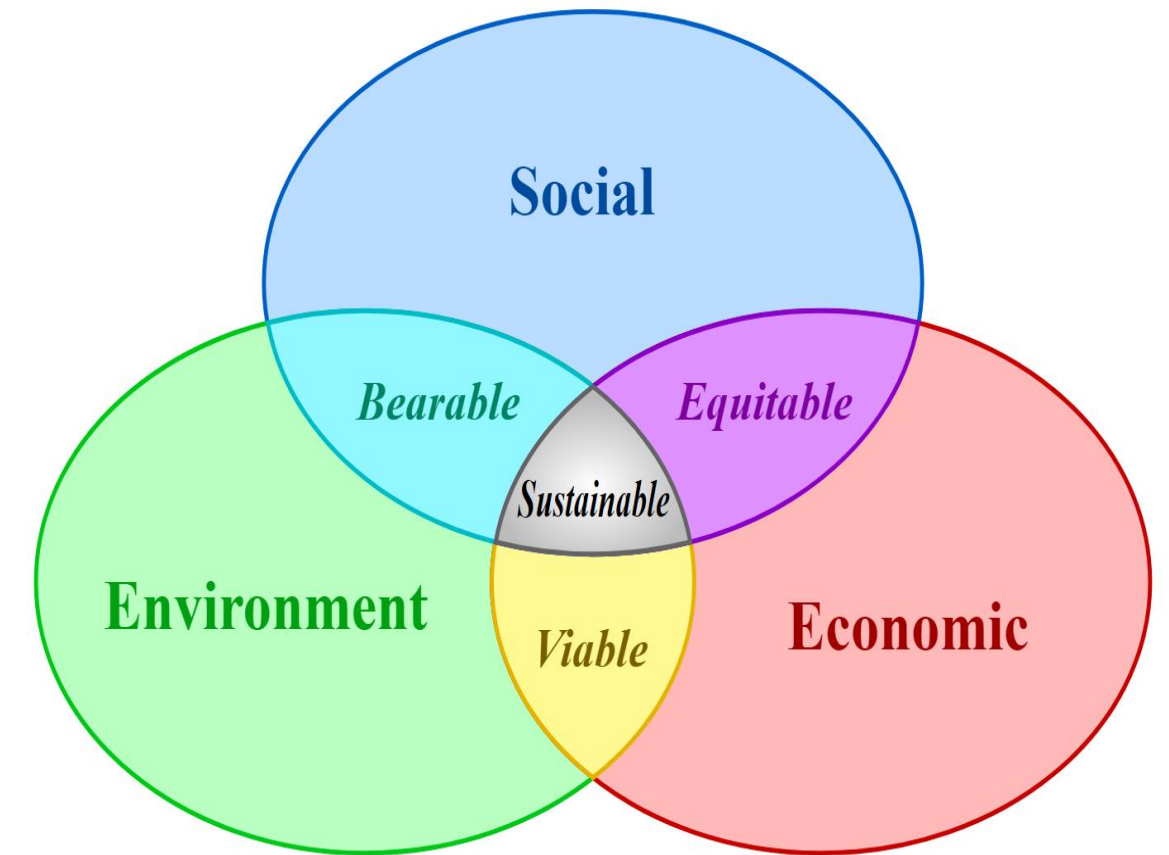
GALAPAGOS - DRIVING FORCES & PRESSURES



Source: Direccion del Parque Nacional Galapagos (2014)



GOALS



1. WHAT ARE THE IMPACTS?

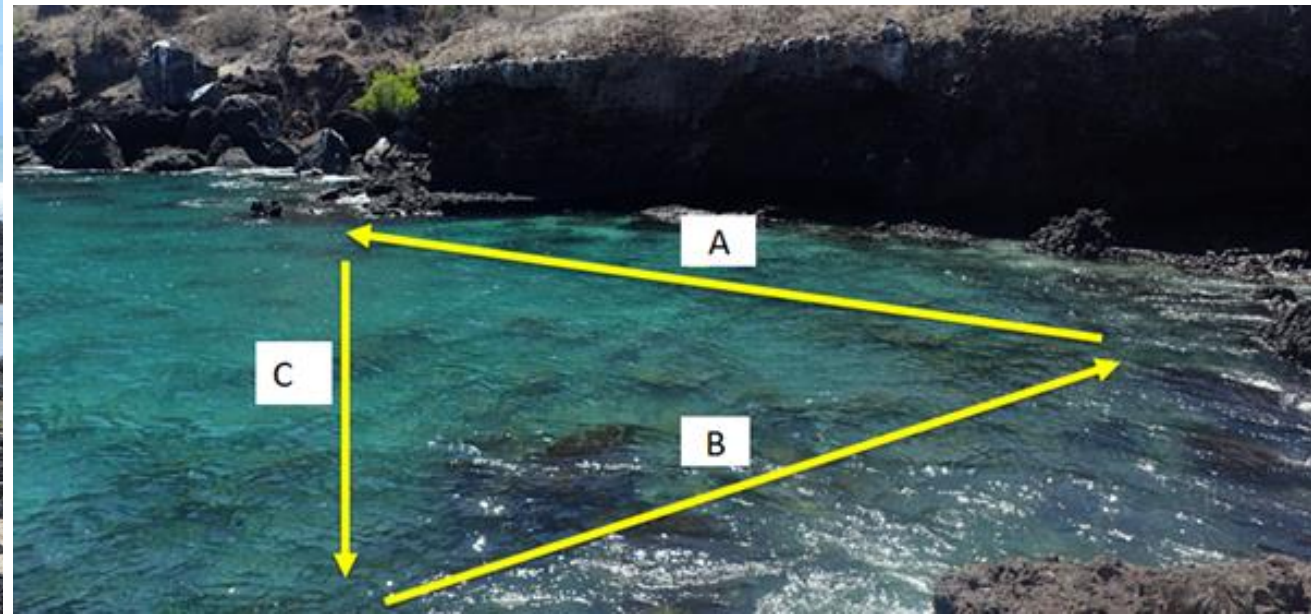
2. HOW TO MONITOR AND ASSESS?

3. DETERMINE RELEVANT RESPONSES

WATER CYCLE: INTEGRATED ASSESSMENT



CHANGES IN FISH COMMUNITIES AND CORAL REEFS: AS A RESULT OF CLIMATE CHANGE?



STUDENT TRAINING AND RESEARCH COLLABORATION



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Postdoc researcher

DEPARTMENT OF ANIMAL SCIENCES AND AQUATIC ECOLOGY

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