

SWAMP

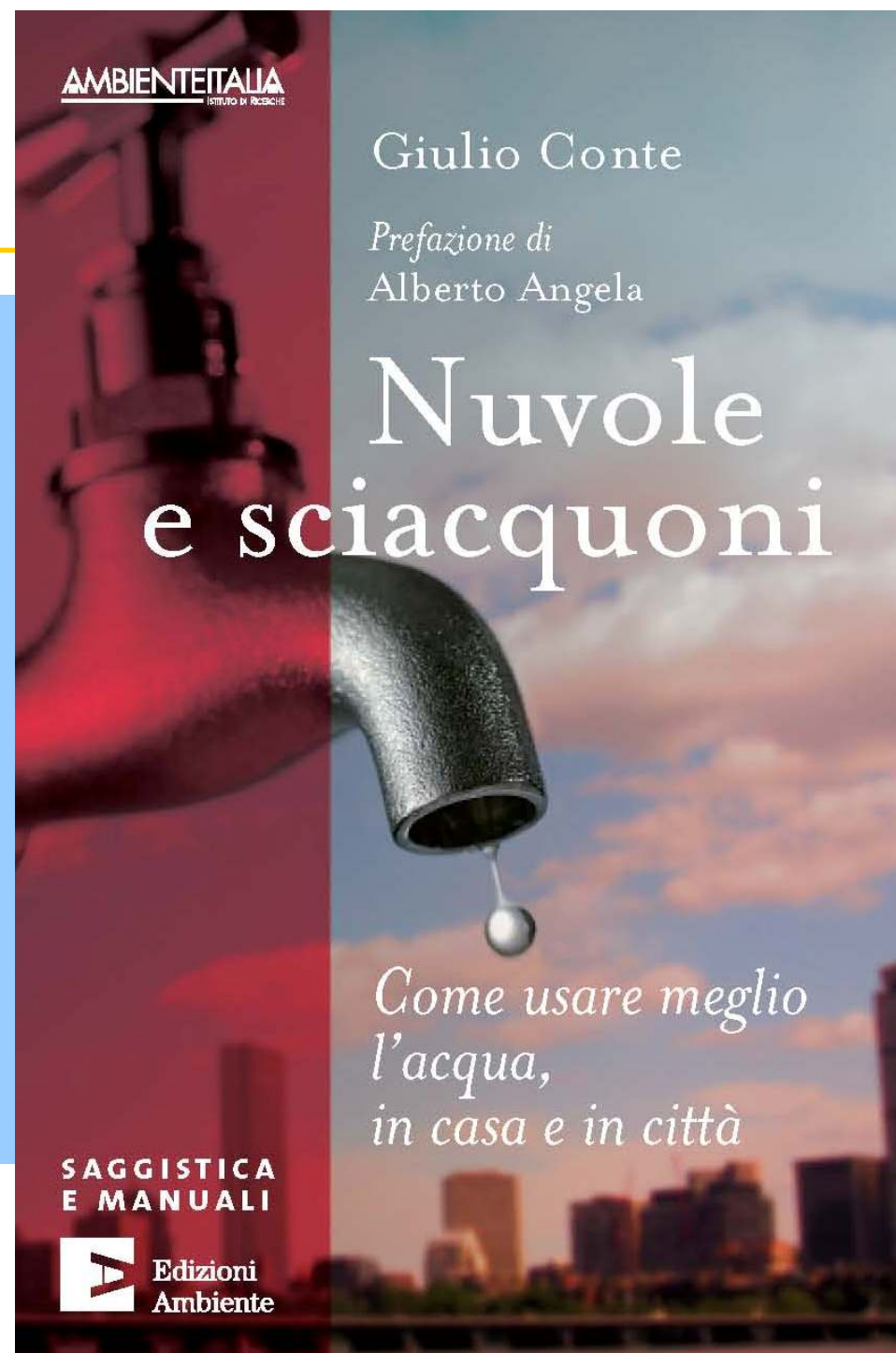
**SUSTAINABLE WATER MANAGEMENT
AND WASTEWATER PURIFICATION IN TOURISM FACILITIES**

*Tecnologie e strategie di comunicazione per un risparmio
idrico targettizzato: i luoghi comunitari*

Giulio Conte

Ambiente Italia Srl – Iridra Srl

**Aggiornamento
basato su...**



Consumi domestici medi in alcune città europee

Bristol	294	Berlino	163
Parigi	287	Helsinki	162
Patrasso	285	Grande Londra	159
Torino	243	Firenze	155
Roma	221	Bari	154
Stoccolma	210	Vienna	152
Lione	209	Bologna	149
Catania	214	Nicosia	143
Napoli	207	Madrid	140
Oslo	200	Turku	139
Genova	199	Praga	127
Verona	199	Hannover	125
Milano	191	Aarhus	120
Tampere	190	Copenaghen	119
Venezia	179	Barcellona	118
Aalborg	179	Anversa	108
Riga	176	Bruxelles	108
Goteborg	173	Saragozza	104
Palermo	169	Heidelberg	103

Dati al netto
delle perdite

Per gli usi
non
domestici
aggiungere

+ 25%

Fonte: Ecosistema Europa 2008,

Ambiente Italia – Sole 24 ore

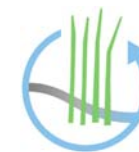
Risparmio

Interventi sugli
erogatori e sui WC



Interventi sugli
elettrodomestici

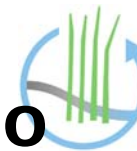
Raccolta della Pioggia



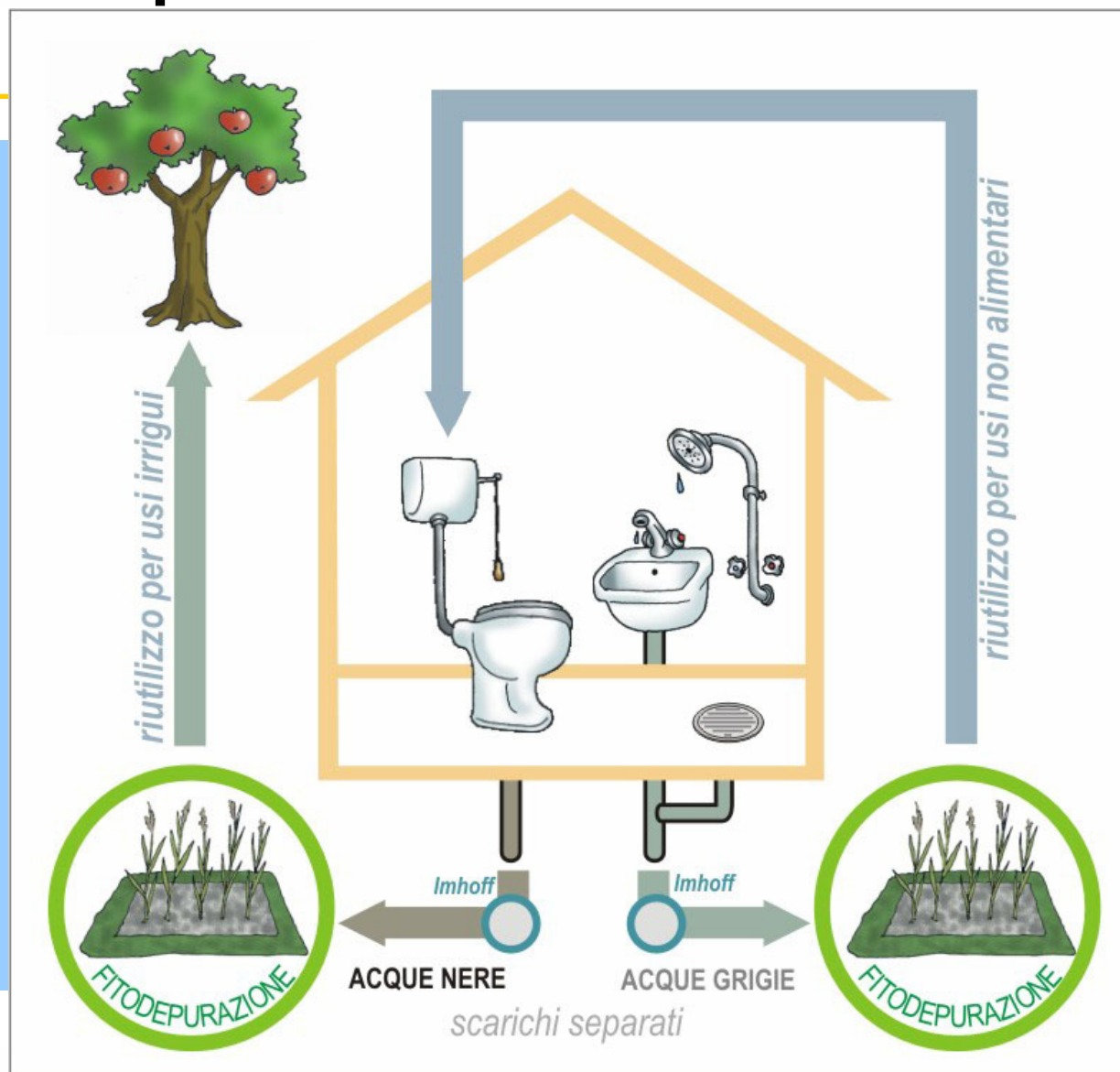
SWAMP



Separazione delle reti e riuso



SWAMP

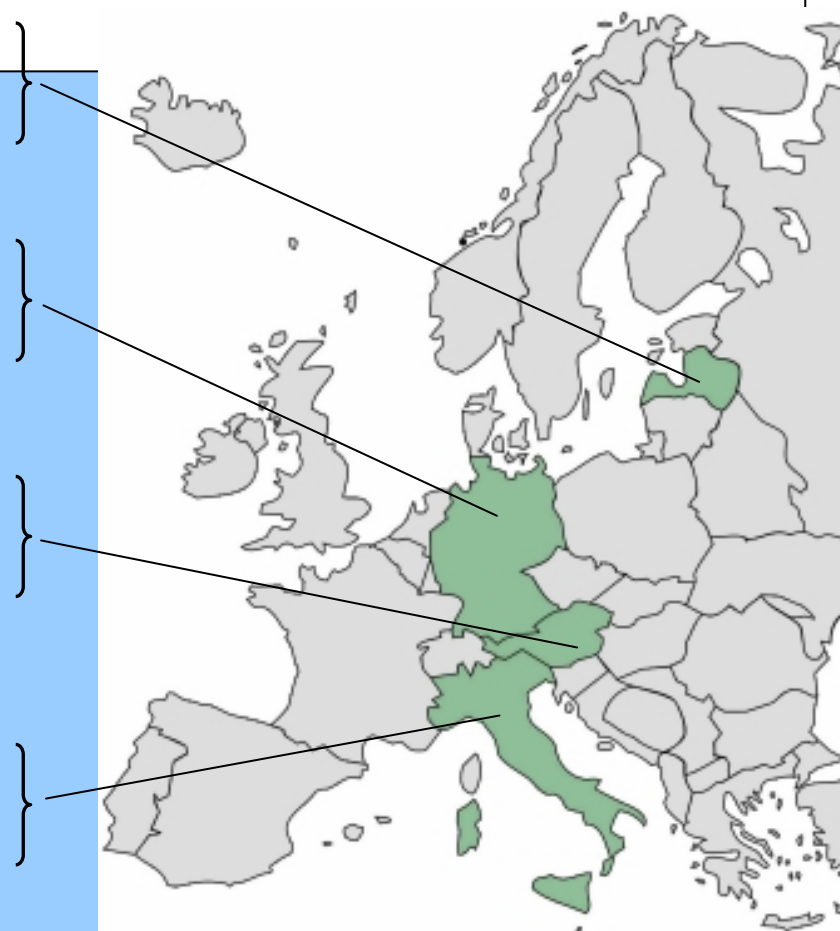


OBIETTIVI DEL PROGETTO SWAMP

- 1) Sperimentare soluzioni innovative per risolvere i problemi di gestione delle acque e degli scarichi in strutture turistiche:**
 - Riduzione dei consumi
 - Trattamento degli scarichi con tecniche naturali
 - Riutilizzo delle acque depurate
- 2) Fornire linee guida per una corretta progettazione e realizzazione delle tecniche proposte**
- 3) Promuovere e diffondere le soluzioni sperimentate**

I partner di SWAMP

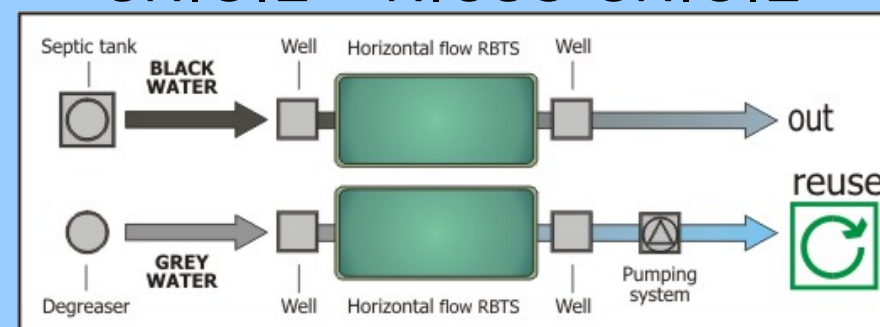
- **Carl Bro SIA**
- **sia aprite**
- **AWA Ingenieurbüro**
- **target**
- **AEE INTEC**
- **Ökologisches Projekt Graz**
- **Ambiente Italia**
- **IRIDRA**



CAMPING LA CAVA POPPI



SEPARAZIONE NERE – GRIGIE – RIUSO GRIGIE



Poppi

Italia

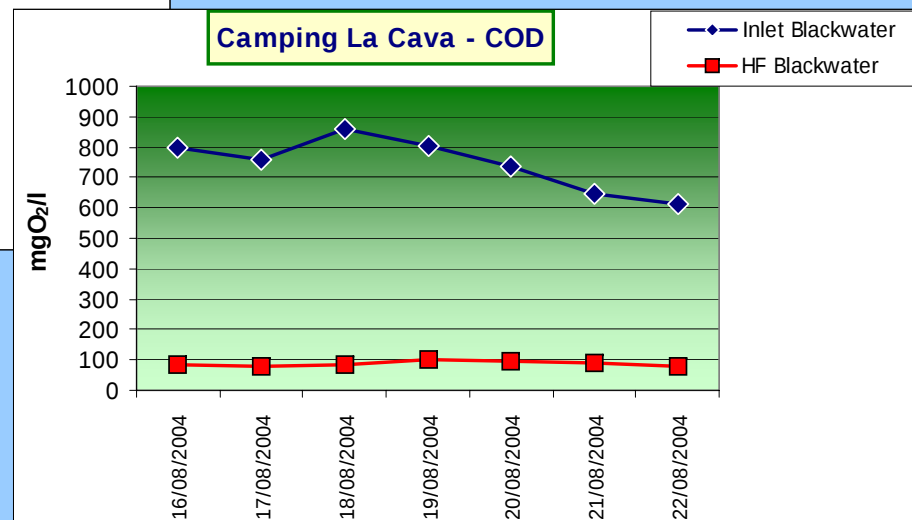
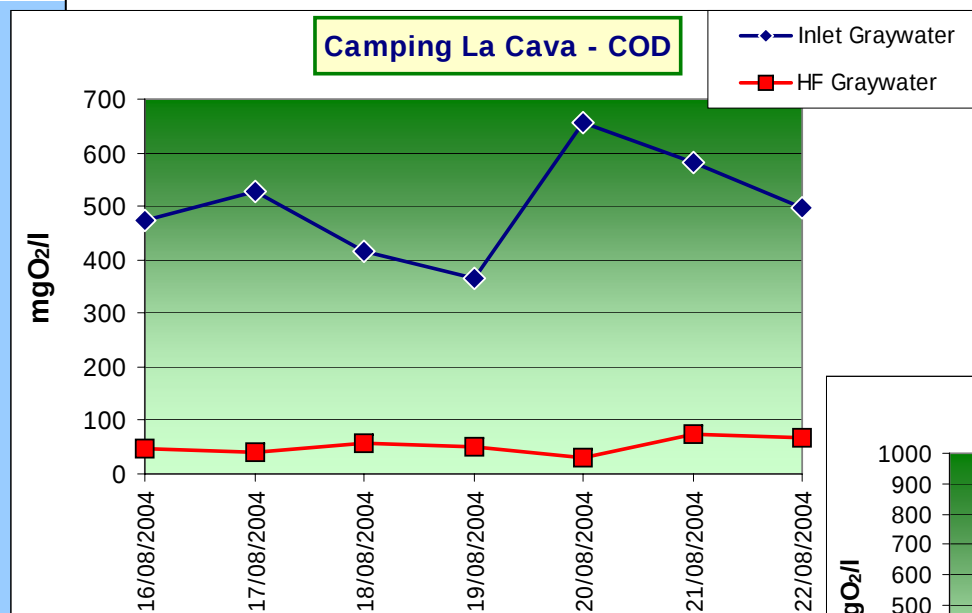
Camping

**140 m
slm**

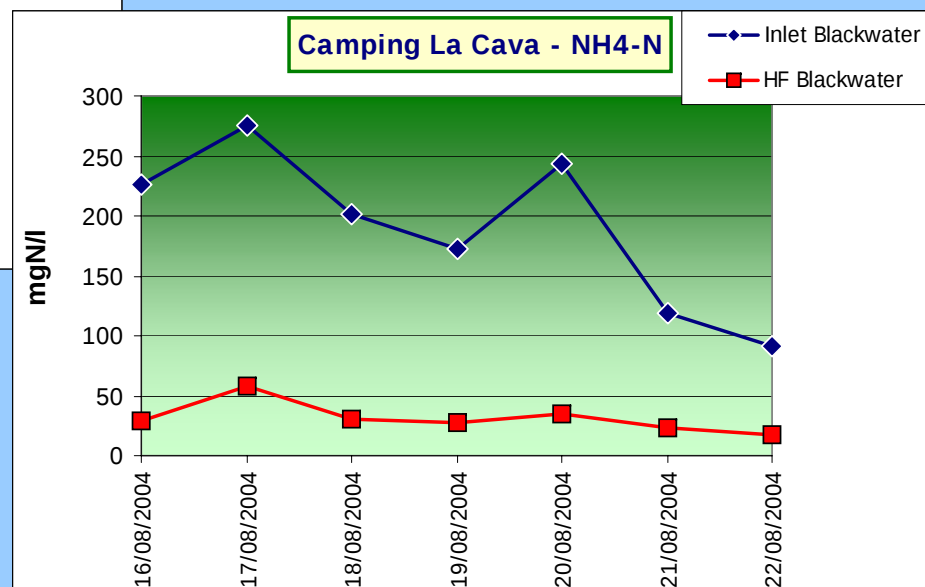
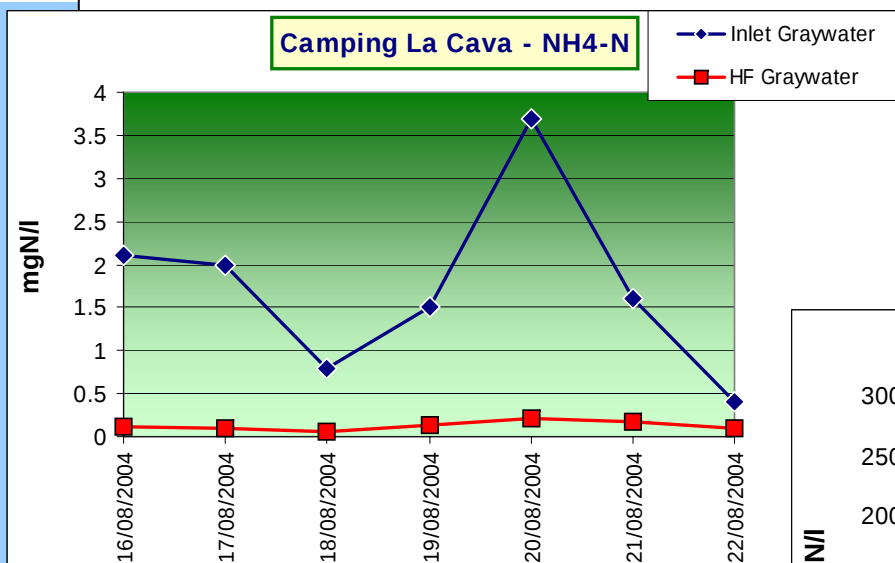
**60
AE**

2 HF

CAMPING LA CAVA



CAMPING LA CAVA



CERTOSA DI FIRENZE

Certosa

Italia

Hotel
*primavera,
estate*

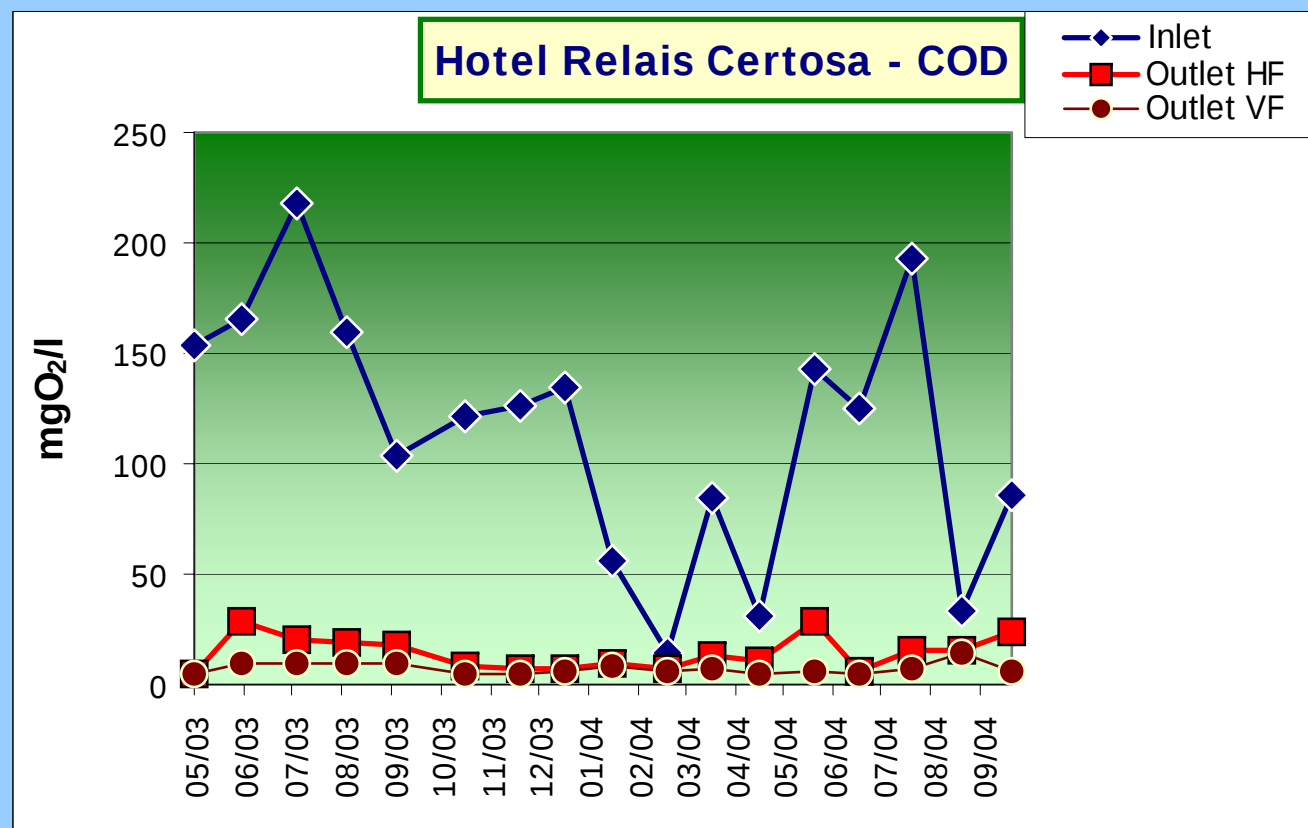
**200 m
slm**

**140
AE**

**Sistema
ibrido
HF+VF**

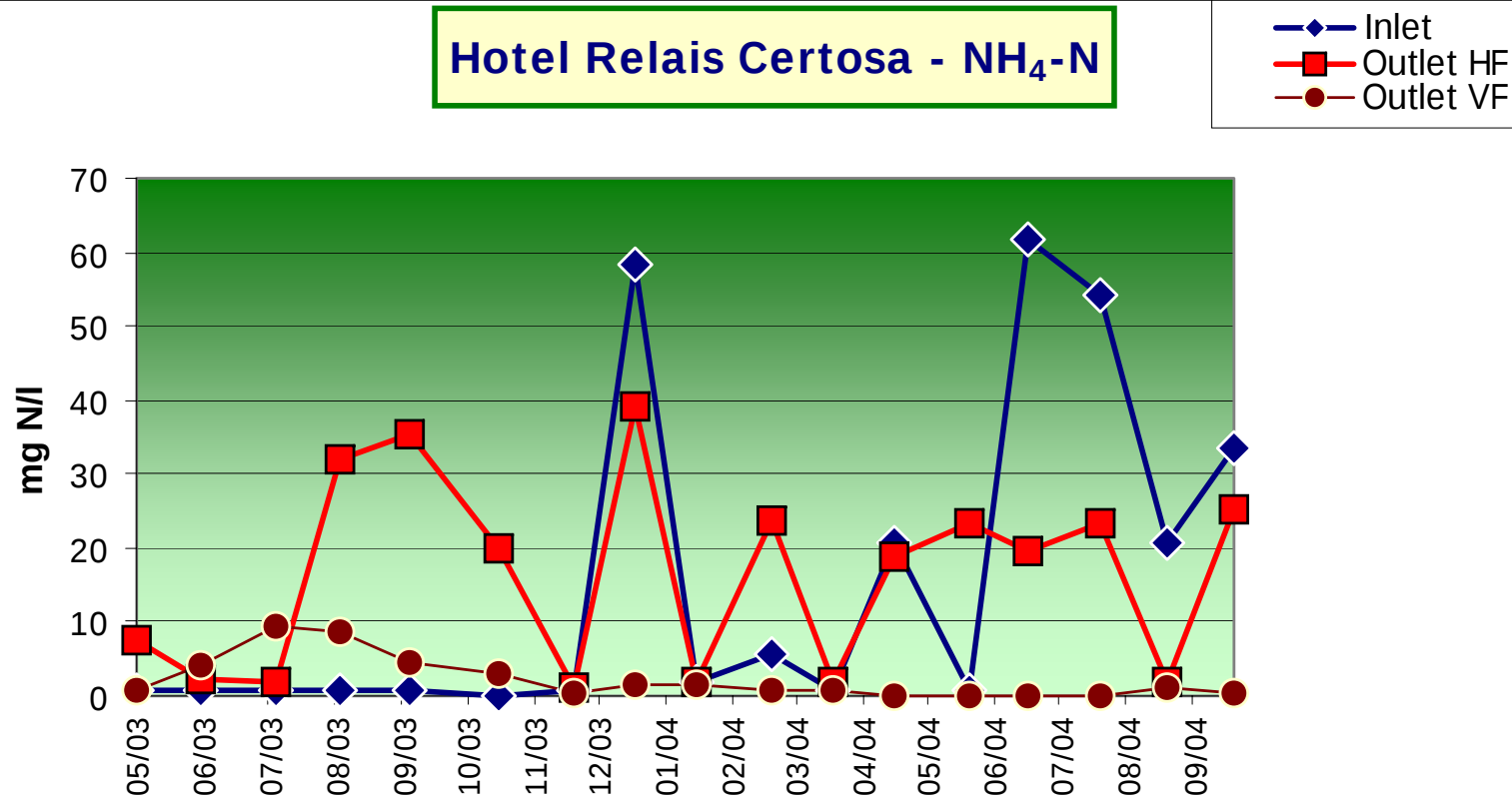


Certosa

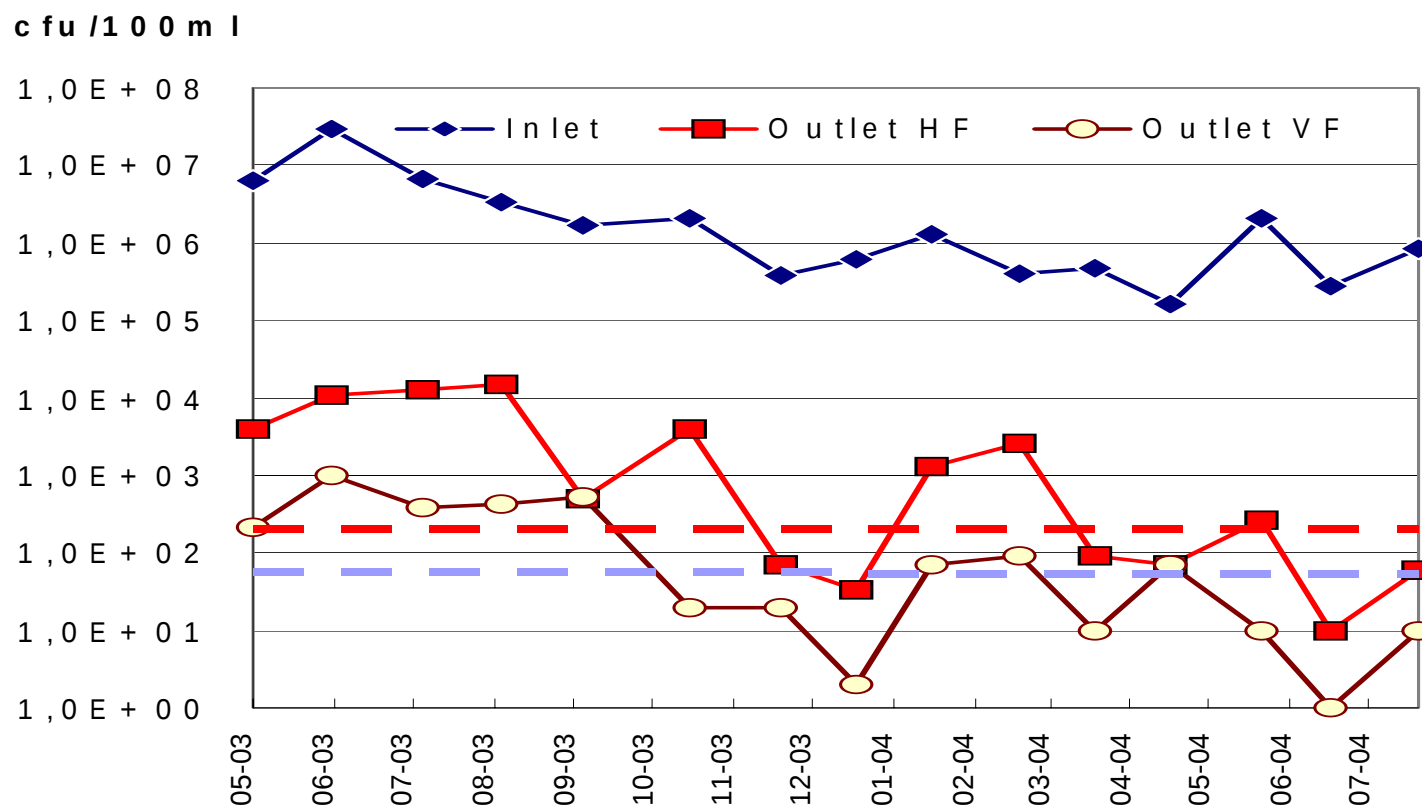


Certosa

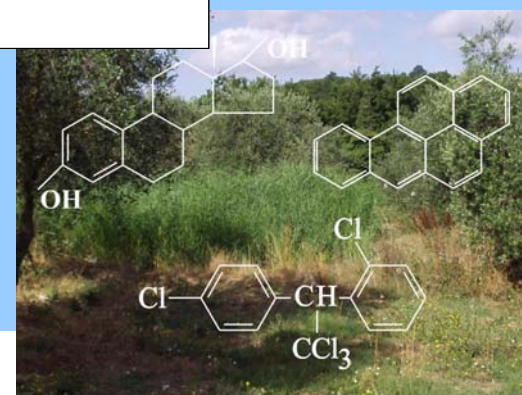
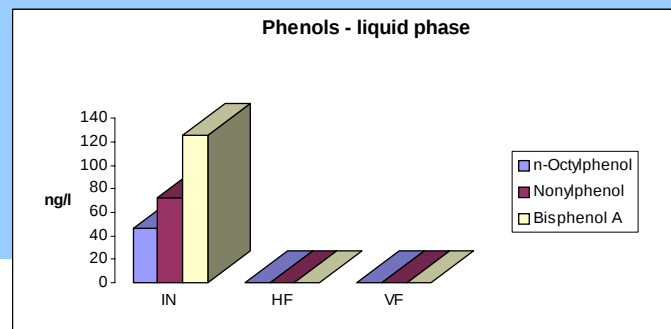
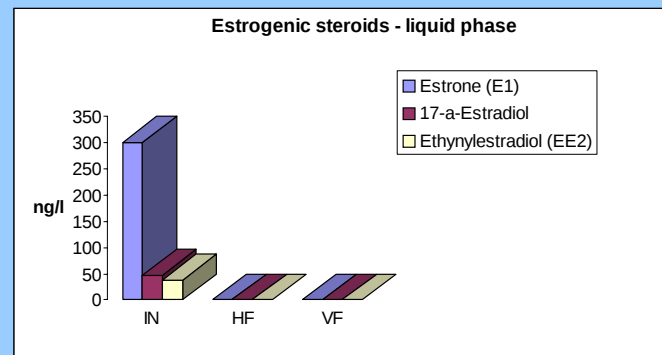
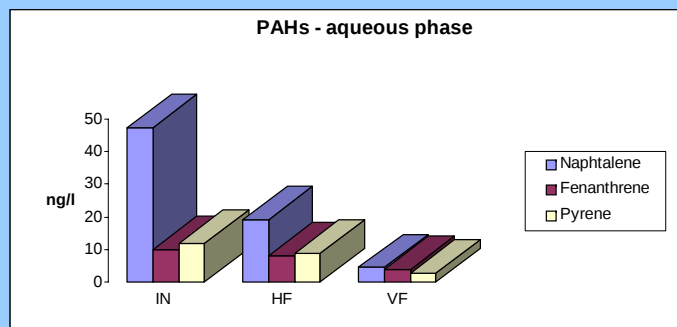
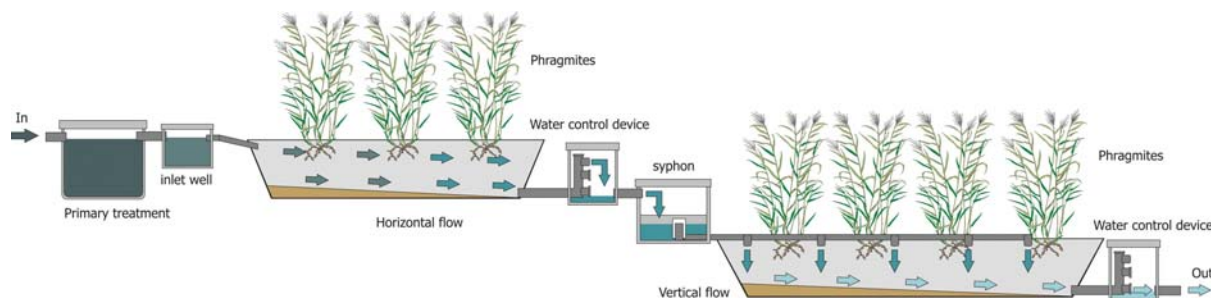
Hotel Relais Certosa - NH₄-N



Certosa – *Escherichia Coli*



IRIDRA: HOTEL CERTOSA ENDOCRINE DISRUPTING COMPOUNDS



SEPARAZIONE URINE



GERMANIA

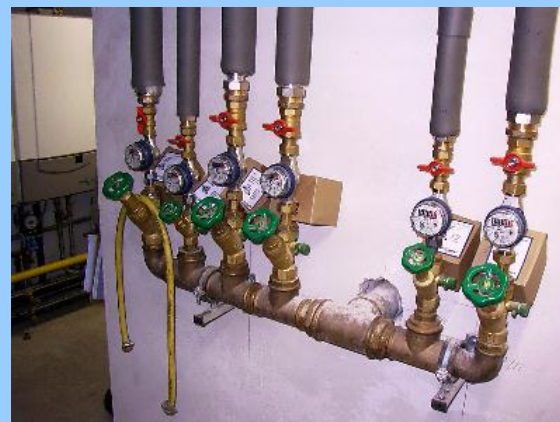
SEPARAZIONE URINE

WUSSEGEL



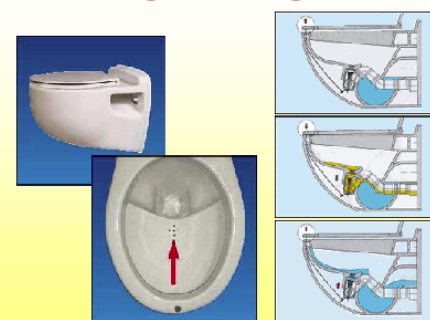
LENZEN

SEPARAZIONE URINE



LENZEN

Roediger Sorting-Toilet



Non-diluting Urine collection www.roevac.de

**Grazie per
l'attenzione,
per saperne di
più...**

