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ERASMUS + - KA2: Cooperation for innovation and the exchange of good practices
575796-EPP-1-2016-1-ES-EPPKA2-KA

Specialisation process for the ecoengineering sector in the Mediterranean environment.
Generation of the necessary feedback between enterprises and universities in a changing climate environment

28 et 29/09/2017 EXCURSION FRANCE - "Biological River Engineering/River Restoration – From Design stage to Monitoring stage - A workflow process shown by 8 case studies realized between 2000 and 2016"

Site completion	Visit is starting	Visit is ending	Item	Item description	Item picture	Item position	Annotations

28/09/17 Starting point: F-65000 Tarbes Pont Alsthom 43°13'26"N/00°05'36.63"E **Contact +33 6 10 28 06 00**

Start of excursion 12:00 AM with an onsite picnic at one's own charge

Pique-nique	12:00	12:30	At one's own charge	on the bayou			
2005 "Adour" Tarbes	12:30	13:15	Relict of "Adour" river bayou	Rehabilitation by digging up of buried bayou and hydraulic reconnection to Adour river; integration of riparian vegetation relicts into riverscape; spillway and outflow secured by vegetated log cribwall		Tarbes Bras Mort Adour 43°13'19.19"N/0°05'35.16"E	200 m long project with the aim to realize a multifunctional hiking trail integrated to the riverscape; trail constructed in stabilized structure partially by recycled material; 12 years of back experience since completion date; less professional maintenance observed
Walking for 350m	13:15	13:20	on site				
2005 "Adour" Tarbes	13:20	13:50	Right river bank of "Adour" river in downstream of Alstom road bridge	Right river bank rehabilitation close to Alstom road bridge by mixed techniques in upstream; vegetated log cribwall on top of classic gabion wall; unvegetated"Réno" gabion mattresses in downstream		Tarbes Pont Nelly 43°13'24;02"N/00°05'35.36"E	100 m long project with the aim to realize a multifunctional hiking trail on the top of river bank protection integrated to the riverscape; trail constructed in stabilized structure partially by recycled material; 12 years of back experience since completion date; civil engineering dominating; less professional maintenance observed
Moving by one's own cars for 103km	13:50	15:20	direction to F-09160 "Mercenac"				

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2016 "Salat" Mercenac, a realization by local government DDT09	15:20	16:00	Left river bank of "Salat" river close to RD117 highway	Left river bank protection of Salat river by bioengineering and mixed techniques		F-09160 Mercenac 43°01'59.63"N/01° 04'543.58"E	Reconstitution of the river bank after important bank erosion threatend the highway; 1 year of back experience since completion date; on site comments by DDT provided
Moving by one's own cars for 35km	16:00	16:45	direction to F-09240 Labastide de Sérou				
2008 "Arize" Labastide de Sérou	16:45	17:25	Bend of "Arize" river	Arize bend reconfigured by bioengineering and mixed techniques; realization of a hydraulic "Coarse ramp" with the aim to protect left river banks by catching and directing flows		09240 Labastide de Sérou 43°00'29.27"N/01° 25'54.02"E	160 m long reconfiguration of ancient bend with the aim to secure ground of a residential area before construction; back experience 9 years since completion date; maintenance errors observed
Moving by one's own cars for	17:25	18:00	direction F-09000 Foix				
Accomodation	18:00		At one's own charge	At eventide - time to visit the historical downtown of Foix!			

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29/09/17 Starting point: DDT Ariège in F-09000 Foix, rue Fenouillet **Contact +33 6 10 28 06 00**

Reception at DDT Ariège 8:45 AM

Moving by one's own cars			direction F-09000 Foix, downtown				
"Foix" Rooms of local government	08:45	10:30	Welcome, presentation and discussionin the rooms of DDT09	DDT Ariège in Foix, Rue Fenouillet		DDT Ariège, Rue Fenouillet, F-09000 Foix , downtown	A PPT presentation titeled "Some examples of bioengineering works and mixed techniques works in the south of France" and a following open discussion are provided with the aim to exchange expectations and experience among the participants
Moving by one's own cars for 30km	10:30	11:00	direction F-09500 St. Félix de Tournegat				
"L'Hers Vif" St. Felix de Tournegat, a realization of DDT09	11:00	11:40	Left river bank of "L'Hers Vif" river	River bank protection of "L'Hers Vif" river		F-09500 Saint Félix de Tournegat	River bank reconstitution by bioengineering and mixed techniques; on site comments by DDT provided
Moving by one's own cars for	11:40	11:50	direction F-09700 Gaudiés				
2000 "L'Hers Vif" Gaudiès	11:50	12:40	Entire riverbed and bend rehabilitation of "L'Hers Vif" river	Rehabilitation of left river bank by bioengineering and mixed techniques adjacent to a communal road; entire river bend reconfiguration		Gaudiès village, south entrance; phone Mairie 05 61 60 17 90; 43°10'28.52"N/01° 43'51.08"E	120m long entire river rehabilitation by bioengineering and mixed techniques after important flood event in 1999; seeking, determining, collectioning and controlled fast implanting of local Salix spec.; 17 years of back experience since completion date; more or less regular maintenance observed

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2000 "L'Hers Vif" Gaudiès	same site		Entire riverbed and bend rehabilitation of "L'Hers Vif"	Hydraulic "Coarse ramp" construction with the aim to protect the municipal road by catching and directing flood events towards right river side; bilateral riverscape integration of civil engineered ramp by vegetated rip-rap		Gaudiès village, south entrance; 43°10'28.52"N/01° 43'51.08"E	55m wide flow section reconfiguration; 17 years back experience since completion date; more or less regular maintenance observed
Moving by one's own cars for 10 km	12:40	12:50	direction F-09270 Mazères				
Lunch in Mazéres	12:50	14:15	in the restaurant "Auberge de L'Hers"	Ordering at +33 5 61 69 45 22	afterwars two visits close-by		

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Walking for 100m	14:15						
2001 "L'Hers Vif" Mazères	14:15	14:55	Right river bank of "L'Hers Vif" river	River bank protection and riparian rehabilitation by bioengineering and mixed techniques		Mazères village, north entrance; 43°15'14.78"N/01° 40'45.12"E	working in hot and dry july summer climate; 16 years of back experience since completion date; regular maintenance observed
Walking for 400m	14:55	15:00					
2008 "L'Hers Vif" Mazères	15:00	15:45	Left river bank of "L'Hers Vif" river	Steep rock slope stabilization on left river side close to classified medieval site; revegatation by bioengineering and mixed techniques, latter located on lower and submerged river bank		Mazères village, north entrance; phone Mairie 0561694059; 43°15'06.53"N/01° 40'49.80"E	Project with the aim to ensure visitors at this touristic site; slope angle 60°/70° by slope height 21m; revegetation of gramineous stratum incorporated to a 3D-steel structure anchored by drilling in the rock; 9 years back experience since completion date; no regular professional maintenance observed

>>> Excursion end at 15:45 PM
>>> Schedule at least 70 minutes by normal traffic to join TLS AIRPORT in Blagnac by car!!