



Торіс	Assessment	Remarks	Schedule
Current management	Workshops with managers	Meetings with managers, questionnaires?	Meeting in France September 2019
Legislation	Text analysis, questionnaire	EU directives, analysis of national frameworks (table, questionnaire)	To be determined
Restoration measures		Separate presentation	Autumn 2019 workshop
Genetic conservation		Separate presentation	Autumn 2019 workshop
Remote sensing methods	Literature review	Lead by A. Michez (BE) and M. Laslier (FR) (Includes the STSM of M. Laslier)	
Copernicus data	Assessment of the consistency of Copernicus data	landscape metrics from aerial photos vs. Copernicus data (Maria do Rosário Pereira Fernandes, includes the STSM of E. Politti)	
Public awareness, stakeholders	Review	<ol> <li>project solutions review</li> <li>preliminary catalogue of stakeholders</li> <li>scientific key sources of knowledge</li> <li>action participants engagement exercise</li> </ol>	















## Scientific knowledge regarding responses to degradation of riparian vegetation

- Review the scientific literature
- Which methods and strategies have been used? Where are the knowledge gaps?
- What is the evidence for the effectiveness of different strategies?
- Is there a need for new types of actions?



Category of measure	Examples
Extensification	Buffer zones, move back levees, exclude cattle, introduce mowing/grazing
Morphological habitat measures	Addition of large wood and boulders, remove bank fixation, uplift and widening of streambeds
Connectivity measures	Remove dams and weirs, connect channels and floodplains, open up side channels, modify power station inlets
Environmental flows	Introduce high-flow pulses, seasonal water-level variation, discharge into dry reaches
Species introductions and removals	Planting and seeding, eradication of invasive or non- riparian species

Variable	Definition
Reasons for degradation	Drivers and pressures causing degradation
Alleviation of degradation drivers?	Post-exploitation restoration or compromise/effort to reduce impact of ongoing activities
Processes promoted	Processes shaping riparian zones/vegetation
Ecosystem functions promoted	Functions of riparian vegetation promoted by restoration
Reference condition	Pristine, traditional management or some other managed state
Aim for recovery	Full or partial recovery expected?
Method of revocery	Passive or active restoration
Spatial scale	Local, reach, catchment
Climate change impact	Expected effects on goals for restoration, reference conditions, restoration benefits, relevance and efficacy of the restoration method
Evaluation of success*	











Input	Moving forward
needed	Circulate a detailed plan, invitation to contribute
-	<ul> <li>Collate database of papers on different restoration measures (deadline)</li> </ul>
	<ul> <li>Collate information into database, produce a protocol for evaluation and outline of paper</li> </ul>
	<ul> <li>Evaluate restoration methods based on assessment of papers according to protocol, input on outline (deadline)</li> </ul>
	Synthesise evaluation of restoration methods
	<ul> <li>Workshop (autumn 2019): draft of paper and division of remaining work (protocol for meta analysis, e-flows paper)</li> </ul>
	Evaluate papers with quantitative data according to meta-analysis protocol (deadline)
	Finalise papers



Categories of riparian restoration methods					
Category of measures	Spatial scale	Reference conditions	Degree of recovery	Recovery process	
Extensification	local – reach	not explicit, traditional management	partial recovery	spontaneous, recurrent management	
Morphological habitat measures	local – reach	pristine ecosystems, not explicit	partial recovery	spontaneous, recurrent management	
Connectivity measures	local – catchment	pristine conditions	Specific process – full recovery	spontaneous, recurrent management	
Environmental flows	reach – catchment	pristine ecosystems	Partial – full recovery	spontaneous, recurrent management	
Species introductions	local	pristine assemblages	partial recovery	spontaneous, recurrent management	
Species removals	local	pristine assemblages	partial recovery	spontaneous, recurrent management	