**SHORT QUESTIONNAIRE ON RIPARIAN VEGETATION ASSESSMENT IN EUROPE**

*To answer the questions, please maintain the right answer for your case and remove all the indicated options not valid for you*

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| I**. PERSONAL DATA**  |
| Name  |  |
| Country of work |  |
| Affiliation |   |
| Email |  |
| What is you involvement in the study of Riparian vegetation?  | Research: Public Universities / Scientific Centers / ConsultingPublic administration: Conservation / River Management / Water resourcesOther (please, specify) |
| If Research, do you collaborate with river managers? YES / NO |
| If Public administration, do you collaborate with research centers? YES / NO |
| Are you aware **o**f people (researchers, public administration, private company) working on riparian vegetation assessment at national/regional scale, within the context of the Water Framework Directive? **YES / NO**  |
| If you answered YES. Can you please provide the contacts:1. Name…………………………………………………………………………Institution………………………………………………………………………………..Contact email……………………..Another information……….2. Name…………………………………………………………………………Institution………………………………………………………………………………..Contact email……………………..Another information………. |
| **II. MANAGEMENT OF RIPARIAN ZONES** |
| 1. Are you aware of any legal definition of riparian zone in your country (e.g., fixed width, some flooding return period, other …)? Could you indicate the criteria and the source where it is described?
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| 1. Is the riparian zone in your country : **PUBLIC / PRIVATE / BOTH or OTHER, according to specific features**
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| If **PUBLIC**, are you aware of the maintenance works done by the public administration, and their main purpose? Please, indicate approximately the frequency of these worksIf **PRIVATE**, are you aware of the mandatory rules (e.g. restrictions of use) for the owners to maintain the riparian zones in proper conditions? If **BOTH, or OTHE**R, please could you describe the specific features to differentiate public vs. private domain or other? |
| 1. Are you aware if in your country do exist specific management plans or legislations directly addressed to the riparian zones? **YES / NO**
 |
| If **YES**, can you provide any information on them, and where this information applies?Protection / Conservation of habitat (e.g. Natura 2000)Protection / Conservation of buffer functions in agricultural land Flood control measuresSpecific constraints in urban areasOthers: |
| **III. INFORMATION ON RIPARIAN VEGETATION CHARACTERIZATION AND ASSESSMENT IN YOUR COUNTRY** |
| 1. Are you aware of available data sets on riparian vegetation in your country?

 YES / NO |
| If YES, can you provide relevant information about the existing data sets?SCALE: National / Regional / Local / Other DATA SOURCE: Air photographs / Field work / Both / OthersVEGETATION TYPE: Woody species (Trees, shrubs) / Herbaceous / Macrophytes CONTENT: Vegetation structure / Presence of species / Abundance of species / Age of plantsADDITIONAL INFORMATION: Habitat information Flow regime conditions Channel conditionsECOLOGICAL STATUS; assessment of degradation / conservation statusOTHER ISSUES: |
| 1. Are you aware of how riparian vegetation is characterized and assessed, as a component of hydromorphological conditions according to the Water Framework Directive? YES / NO
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| If YES, Can you provide information on the protocol or method, including their scientific reference, grey literature, field protocol, etc.?Protocol name ……………………………Reference where it is described …………………………………..Data acquisition: Air photographs / Field work / Both / Others1. **What type of RIPARIAN VEGETATION indicators are described in the referred protocol used in your country?**

Please, indicate the way of their measuring, if qualitative by classes, or quantitative by measured numbers. Select “No considered” if the indicator is not included in the protocol: |
|   | Qualitative appraisal | Quantitative appraisal | Not considered |
| Longitudinal continuity (Fragmentation) |  |  |  |
| Vegetation structure: spatial arrangement (isolated trees, patches …)  |  |  |  |
| Vegetation coverage:  |  |  |  |
| Species composition: Select “qualitative for Presence of species, “quantitative” for Abundance of species |  |  |  |
| Lateral connectivity: |  |  |  |
| Age classes: |  |  |  |
| Pioneer recruitment: |  |  |  |
| Dead wood: presence, abundance, others |  |  |  |
| Other attributes: |  |  |  |
| 1. Does the protocol include assessment of the riparian vegetation status? YES / NO
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| Please, describe the additional information you consider relevant in the protocol, and duplicate this section as many times as official protocols you know from your country |
| **IV. RIVER TYPOLOGIES AND REFERENCE CONDITIONS TO DEFINE ECOLOGICAL STATUS** |
| 1. Are you aware of river typologies in your country to establish reference conditions and thresholds of ecological status? YES / NO
 |
| If YES, could you include the reference, web page or other information where they are described? |
| 1. Are you aware of the existence of reference conditions of riparian vegetation status according to river typologies in your country?

 **YES / NO** |
| If **YES**, please, can you indicate the scientific reference, grey literature, official administrative documents, etc where the official assessment is described?. |
| **V. PRESSURES AND IMPACTS OF RIPARIAN VEGETATION. ADDITIONAL INFORMATION** |
| 1. Are you aware of any report or research from your country informing the main pressures and impacts of rivers at national /regional scale? YES / NO
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| If YES, could you give the reference, page web or source of information?* From your point of view, could you Rank the following human activities from 1 (most important) to 7 (less important) affecting riparian vegetation?

Agriculture / Urbanization / Mining / Navigation / Recreation / Grazing / Others* Could you rank the following impacts on riparian vegetation in the same way:

Land Cover changes / Water pollution / Flow regulation by dams and reservoirs / Groundwater depletion / Channelization / Invasive species / Others * From your point of view, and in general terms, riparian zones and their vegetation are in your country during the last decades:

Improving their status / Degrading their status / No significant changes * Could you briefly state your answer?
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| 1. Please, could you add any relevant information, or references dealing with riparian vegetation characterization and status assessment from your country?
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| Please send the filled questionnaire to marta.gtanago@upm.es before 31 May 2019 if possible***THANK YOU VERY MUCH FOR YOUR CONTRIBUTION!***  |