

Research Initiatives for Restoration & Regulation



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Integrating Ecological Restoration Theory into Regulatory Frameworks

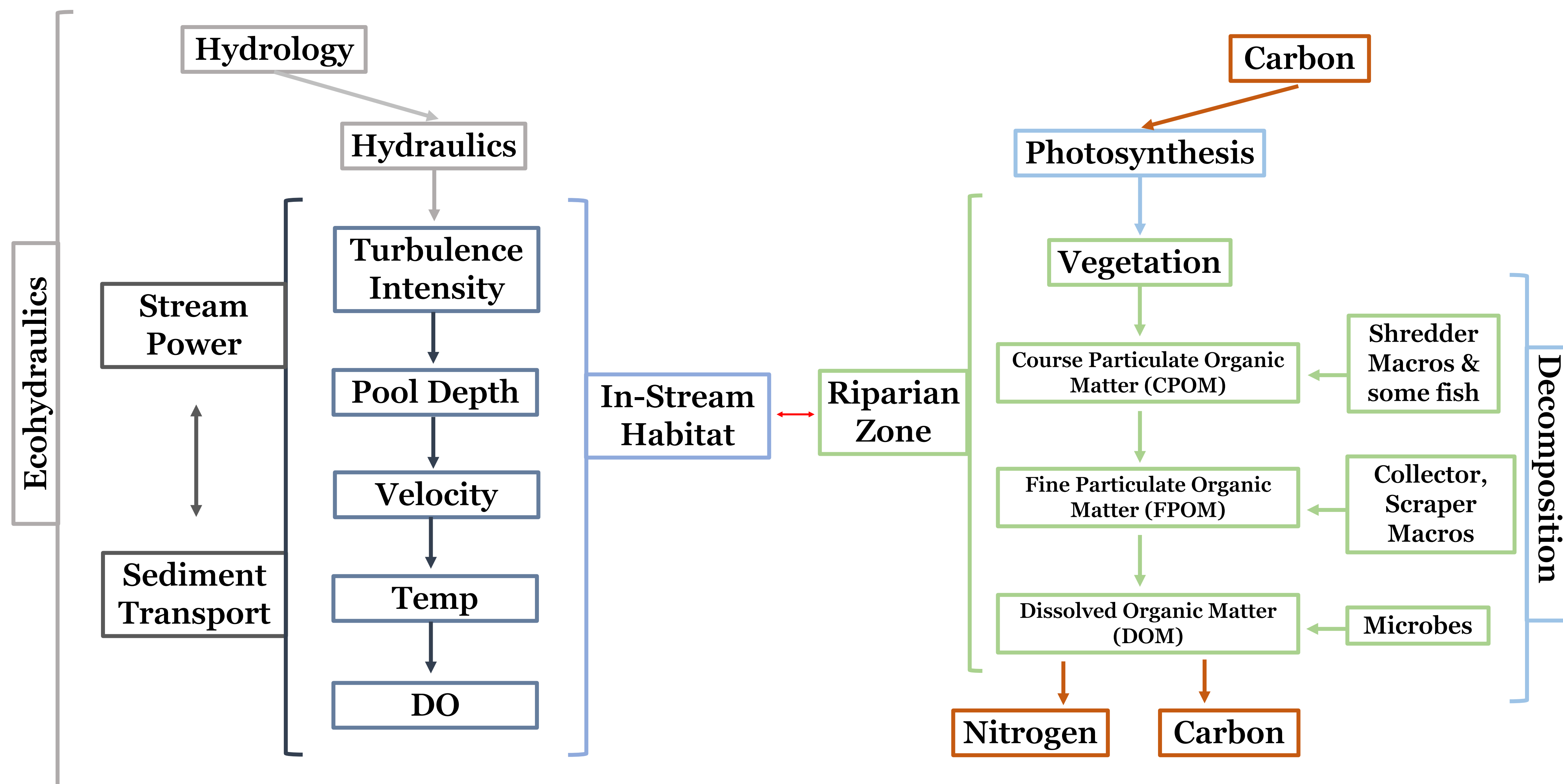
- Promote **better science** in restoration projects to ensure ecological uplift
- Promote **scientifically-based** performance standards into monitoring and regulatory oversight
- **Improve the field of restoration science** in both theoretical and applied realms



The below stream is a restored system, but how do you effectively measure if the ecosystem has experienced uplift?



Framework of Hypotheses



- Bank Stability through Revegetation (*Successional Theory*)
- Shade and Temperature Control (*Climate Variability & Change*)
- Floodplain Connectivity (*Landscape & Spatial Processes*)
- Organic Matter Input (*Nutrient Dynamics*)
- Canopy Coverage, Light Saturation (*Ecophysiology*)
- Persistence and Effects of Invasive Species (*Invasive Species Dynamics*)

Others???

Possible Funding Mechanisms

- Credit (\$) generation through additional monitoring or performance standards
- Collaborate with universities, local non-profits to combine with external grant funding

