

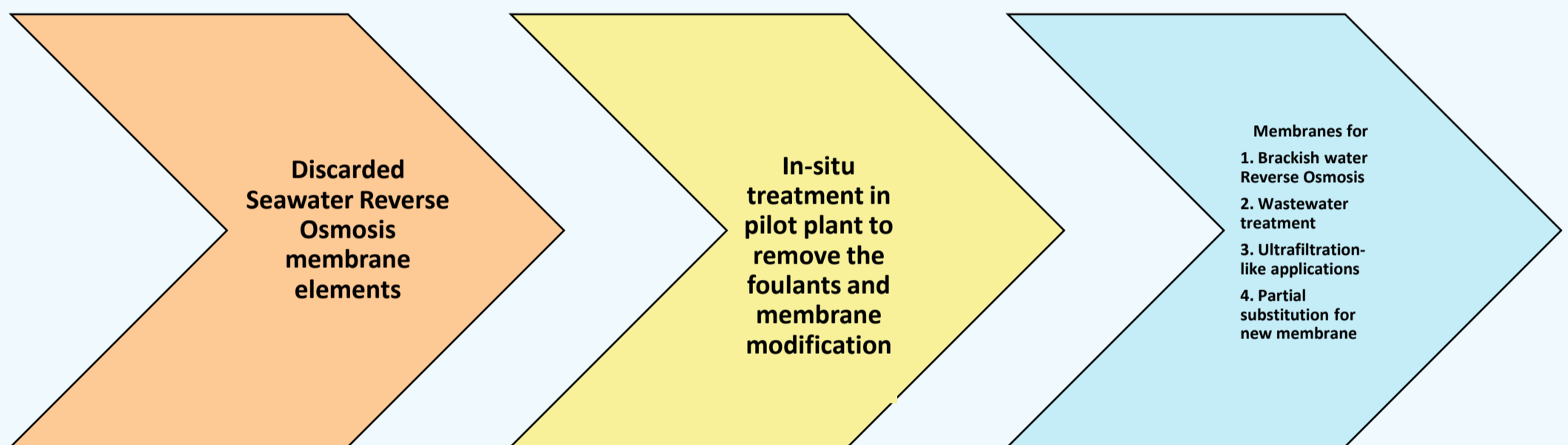
Technology for Licensing/ Demonstration/Scale up Study

TRL 6

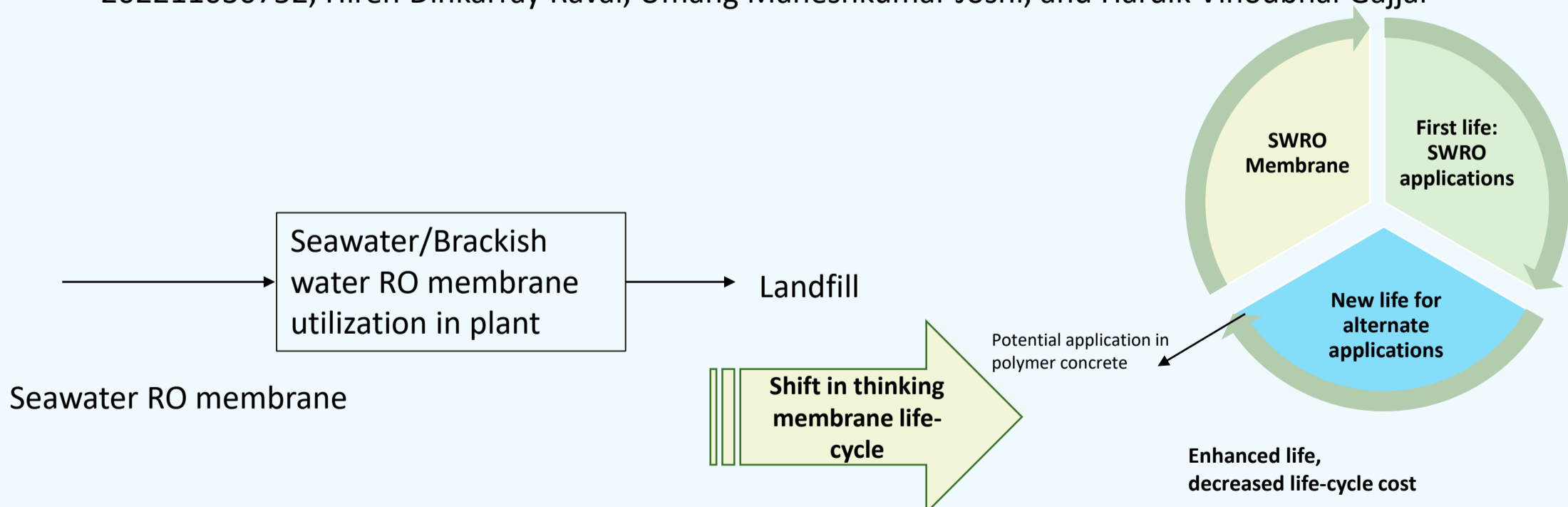
End-of-life Reverse Osmosis Membrane rejuvenation



Pilot plant facility established for end-of-life Reverse Osmosis membrane rejuvenation
Funding support: Department of Science and Technology India



- Established facility for end-of-life Seawater Reverse Osmosis membrane rejuvenation for the same application, Brackish water Reverse Osmosis, Ultrafiltration, wastewater treatment applications
- Indian patent filed:** A device for reverse osmosis membrane transformation and testing Indian patent filed NF no. 202211030752, Hiren Dinkarray Raval, Umang Maheshkumar Joshi, and Hardik Vinodbhai Gajjar



- Technological solution:** The process can convert discarded (end-of-life) membrane elements from Seawater Reverse Osmosis plant into useful Brackish water Reverse osmosis membrane elements and Ultrafiltration-like membrane elements, partial substitution for original applications
- Successfully done for industrial membrane elements
- Industries are welcome to approach us for the solution towards elongating the membrane life-span