

Water, Monitoring and Management

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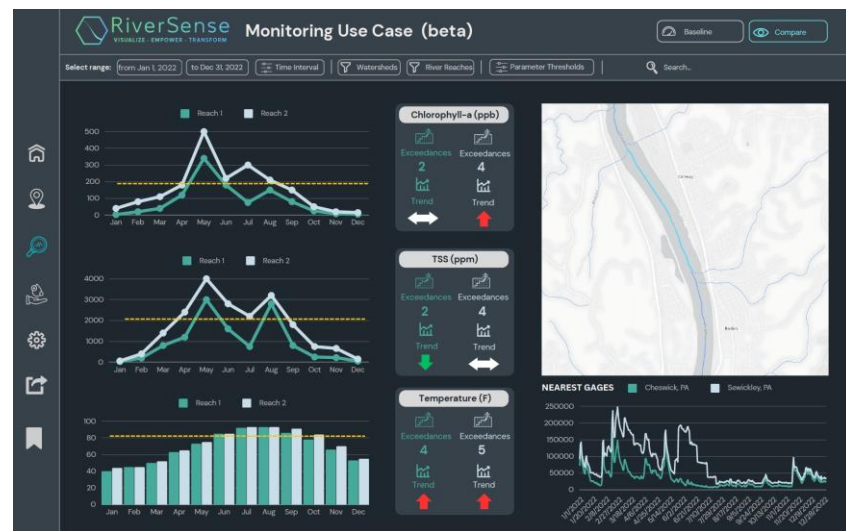
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Needs and Opportunities

- Multi-outcome management trends (SRP, energy/commerce/recreation, etc.)
- Data limitations are real (gauge stations, WQ continuous monitoring)
- How can we improve sensor networks across critical infrastructure to help inform digital twins, RS/ML tools, and general decision support for managers?
- Can sensor networks be cost effective and serve multiple purposes?



Next Steps and Acknowledgements

- Develop new sensor tech for continuous monitoring (fiber optic, etc.)
- Use data to inform digital twins and remote sensing workflows.
- Build decision support interfaces that allow managers to balance interests.
- Shift resource management from single interest to holistic and responsive.

