

Research conducted by community members in a nonprofessional researcher role

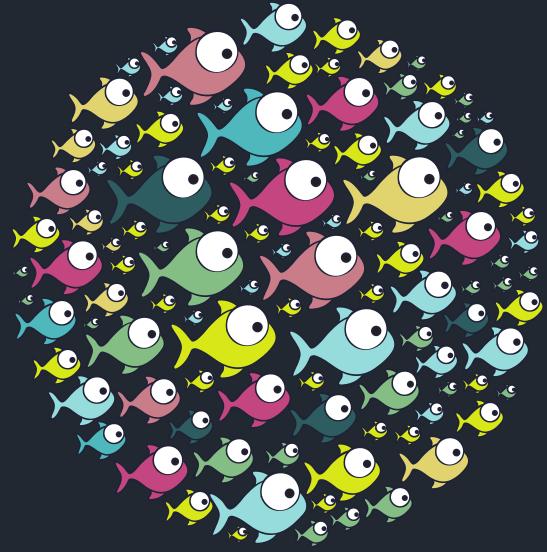
JCWC Programs

- Amphibian Egg Mass
- Prairie Nesting Birds at Powell Butte
- Dragonfly
- Beaver
- Salmon



GOAL:

Increase diversity in community science surveys







BENEFITS



Community

- Meaningful experience
- Greater understanding of natural and urban communities
- Broadened access to scientific research



Science

- Useful data
- Expands data reach
- Shared data





DRAWBACKS



Community

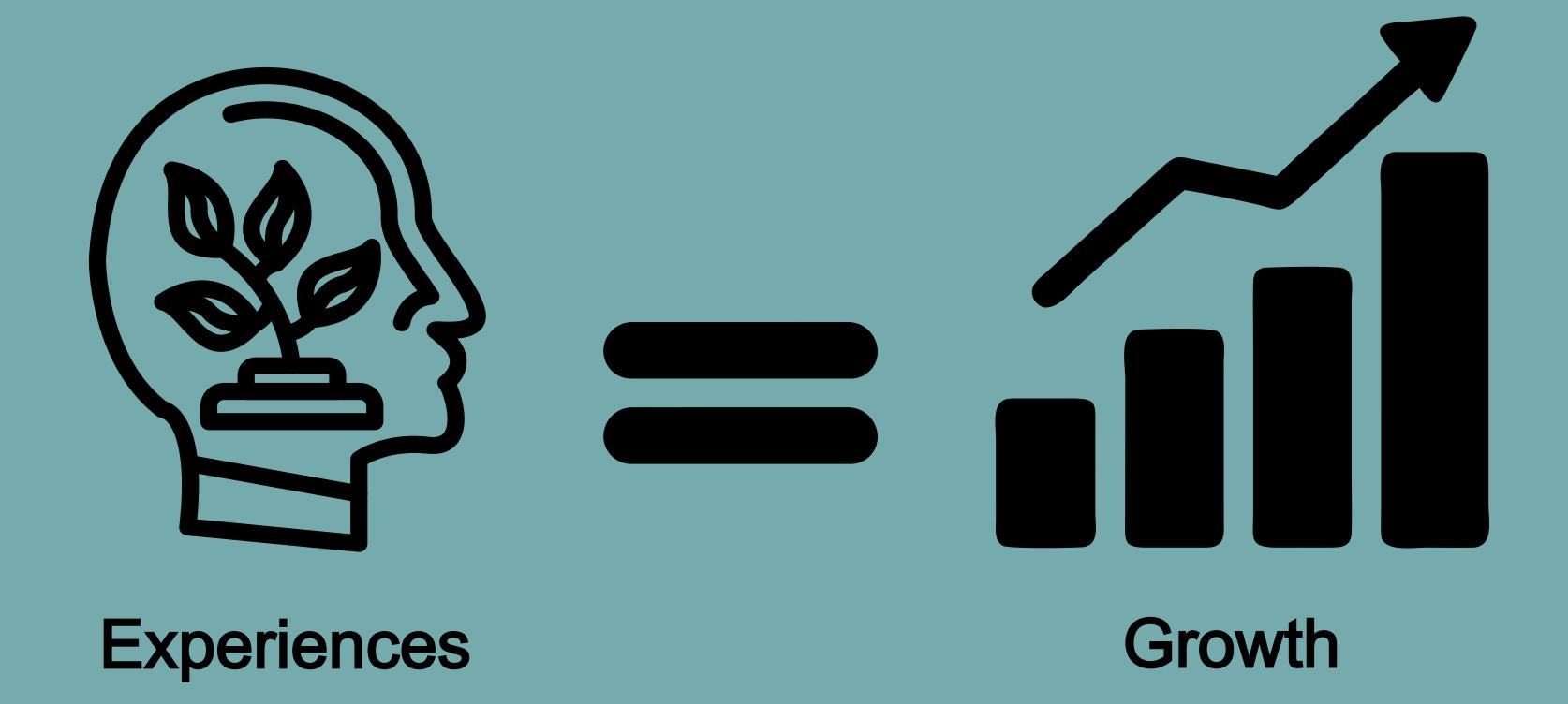
- Insufficient community representation
- Inability to participate
- Unclear benefits to community



Science

- Inconsistent data
- Incomplete data







PATHWAYS TO IMPACT

SHORT TERM MEDIUM TERM LONG TERM

Citizen Science: Pathways to Impact and why Participant Diversity Matters Pateman and West



Pathways: Data

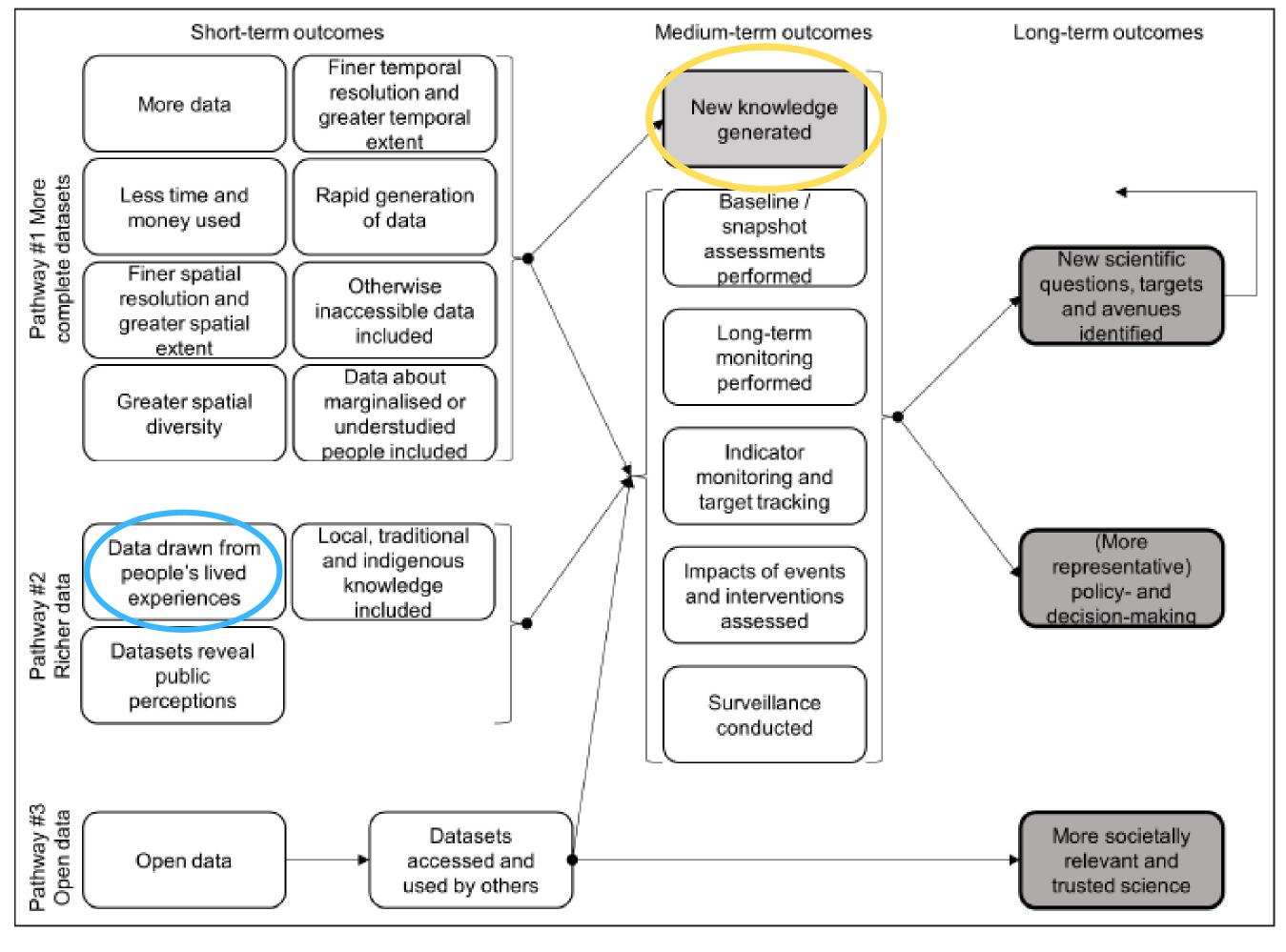


Figure 2 Data pathways. Category appears in two pathway themes (bold outline and light shading). Category appears in three pathway themes (heavy bold outline and heavy shading).

Pathways: Participant Engagement

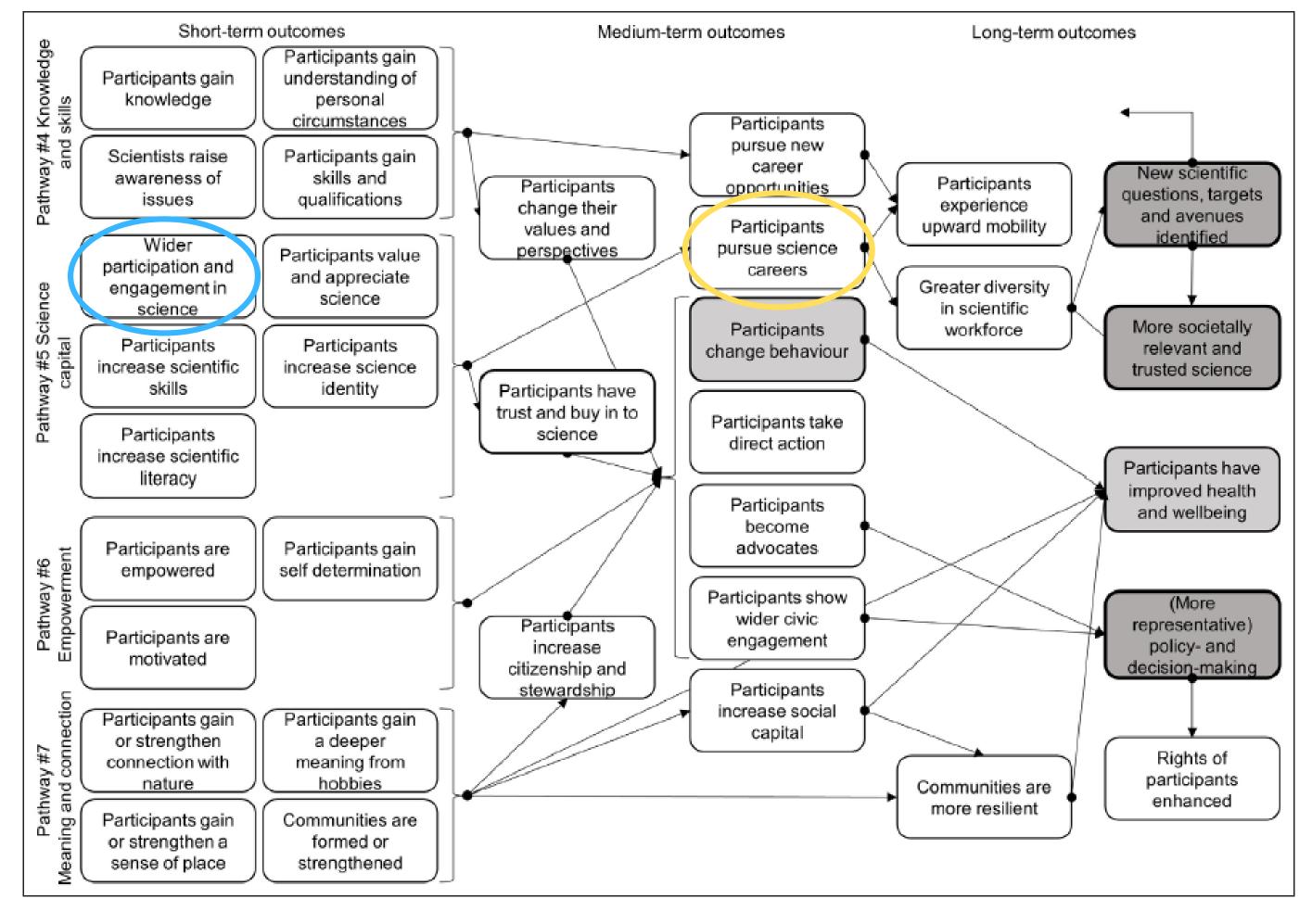


Figure 3 Participant engagement pathways. Category appears in two pathway themes (bold outline and light shading). Category appears in three pathway themes (heavy bold outline and heavy shading).

Pathways: Collaboration

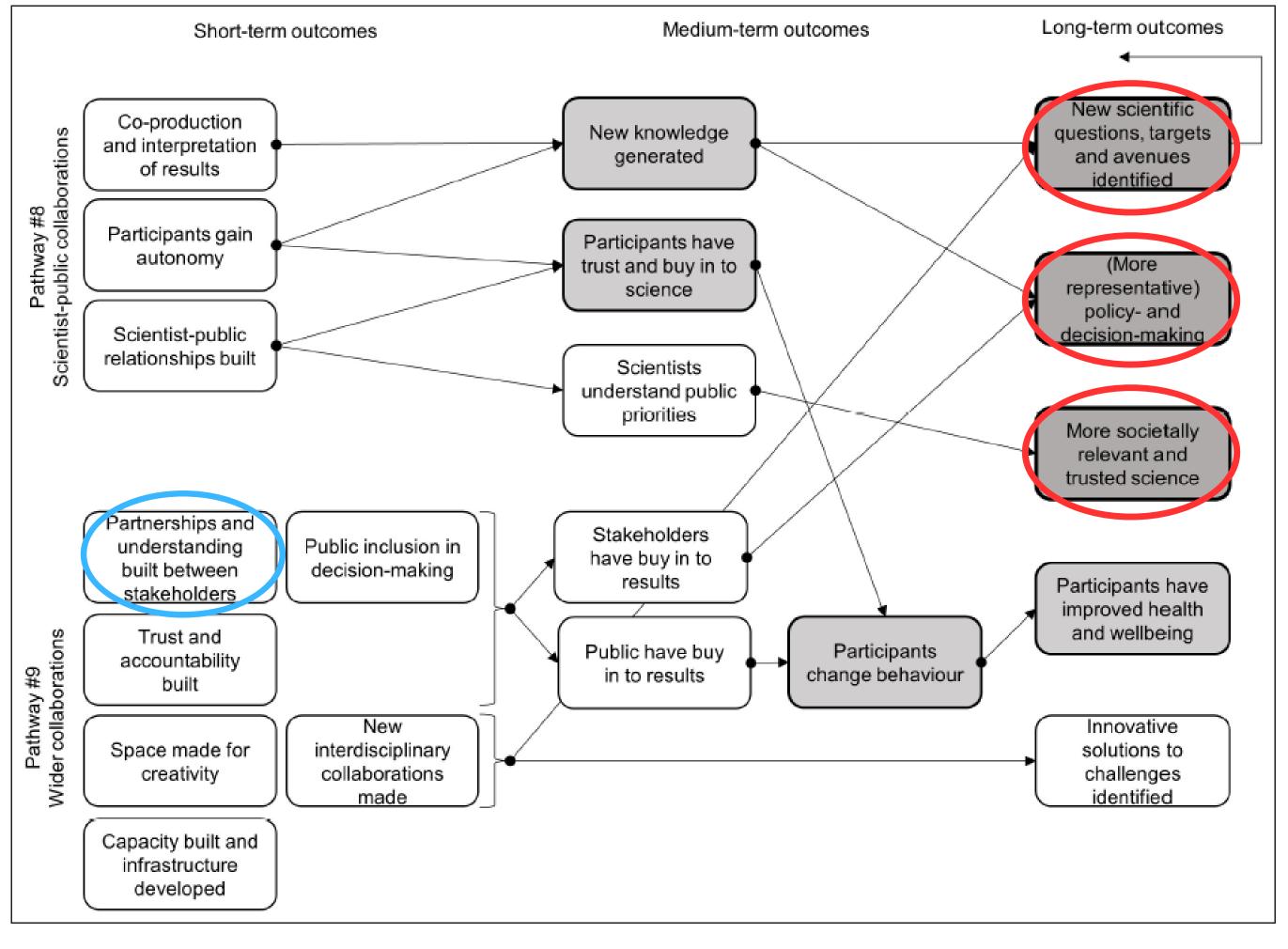


Figure 4 Collaboration pathways. Category appears in two pathway themes (bold outline and light shading). Category appears in three pathway themes (heavy bold outline and heavy shading).

JCWC COMMUNITY SCIENCE

- Representation
- Data
- Collaboration
- Health







GOAL:

Increase diversity in community science surveys



Survey



Collaborate



Implement





REFERENCES

- Pateman, RM and West, SE. 2023. Citizen Science: Pathways to Impact and why Participant Diversity Matters. Citizen Science: Theory and Practice, 8(1): 50, pp. 415. DOI: https:// doi.org/10.5334/cstp.569
- Najev, B., Diversity issues with inquiry-based citizen science. NCSE, August 1, 2020. https://ncse.ngo/diversity-issues-within-inquiry-based-citizenscience
- Hall, D.M., Avellandeda-Lopez, P.M., et al., Citizen silience: Missed opportunities in citizen science. BioScience, 2024, 74, pp 319 -321.
- Attributes & Outcomes of Community Science. Association of Science and Technology Centers: Community Science Initiative.
 https://communityscience.astc.org/framework/attributes -outcomes/