

Plan for NSF

- Question 6: What role does co-production play in increasing the usability of science-based information? What are the mechanisms that shape stakeholders' perceived and identified barriers and opportunities to use information?

Table 2. Examples of decisions involving use of climate information at the city or county scale

<i>Examples of climate information adopted</i>	<i>Decisions involving climate information</i>
Design storms	Stormwater management <ul style="list-style-type: none"> • <i>Design of storm sewers</i> • <i>Extension of sewage system</i> • <i>Water treatment plans</i>
Precipitation time series	Stormwater management <ul style="list-style-type: none"> • <i>Design of storm sewers</i> • <i>Extension of sewage system</i> • <i>Water treatment plans</i> • <i>Pipe size and ditch widening</i>
Temperature time series	General planning <ul style="list-style-type: none"> • <i>Budgeting based on previous droughts</i>
Precipitation projections	Stormwater management <ul style="list-style-type: none"> • <i>Urban forestry management plan</i> • <i>Green infrastructure on public lands</i> • <i>Green infrastructure on private lands</i> Flood management <ul style="list-style-type: none"> • <i>Flood control</i> • <i>Outline of flood hazard zones</i>
Seasonal forecast	Management of water supply and demand <ul style="list-style-type: none"> • <i>When/if to shift to different water sources</i> • <i>Budgeting for water demand and chemical use</i> • <i>Possibly issue water use restrictions (if river flows are very low)</i>
# of days that exceed certain thresholds derived from USGS Downscaled Climate Projection Portal	Ecosystem management <ul style="list-style-type: none"> • <i>Which ecosystems to protect now as compared to in 50 years</i> • <i>Move away from protecting species that require an unbroken canopy</i> • <i>Restoration</i> General planning <ul style="list-style-type: none"> • <i>Best Management Practices</i>

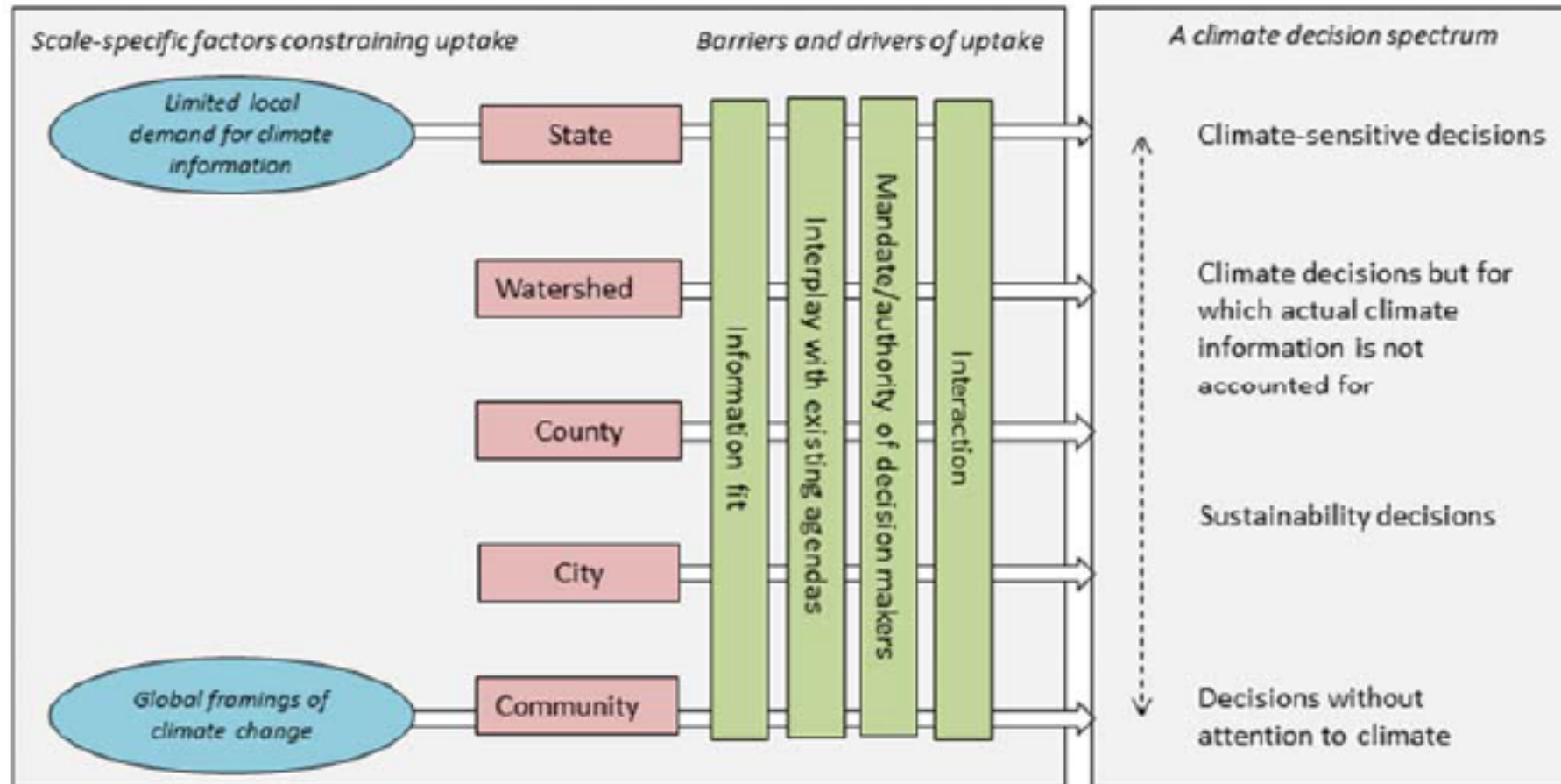
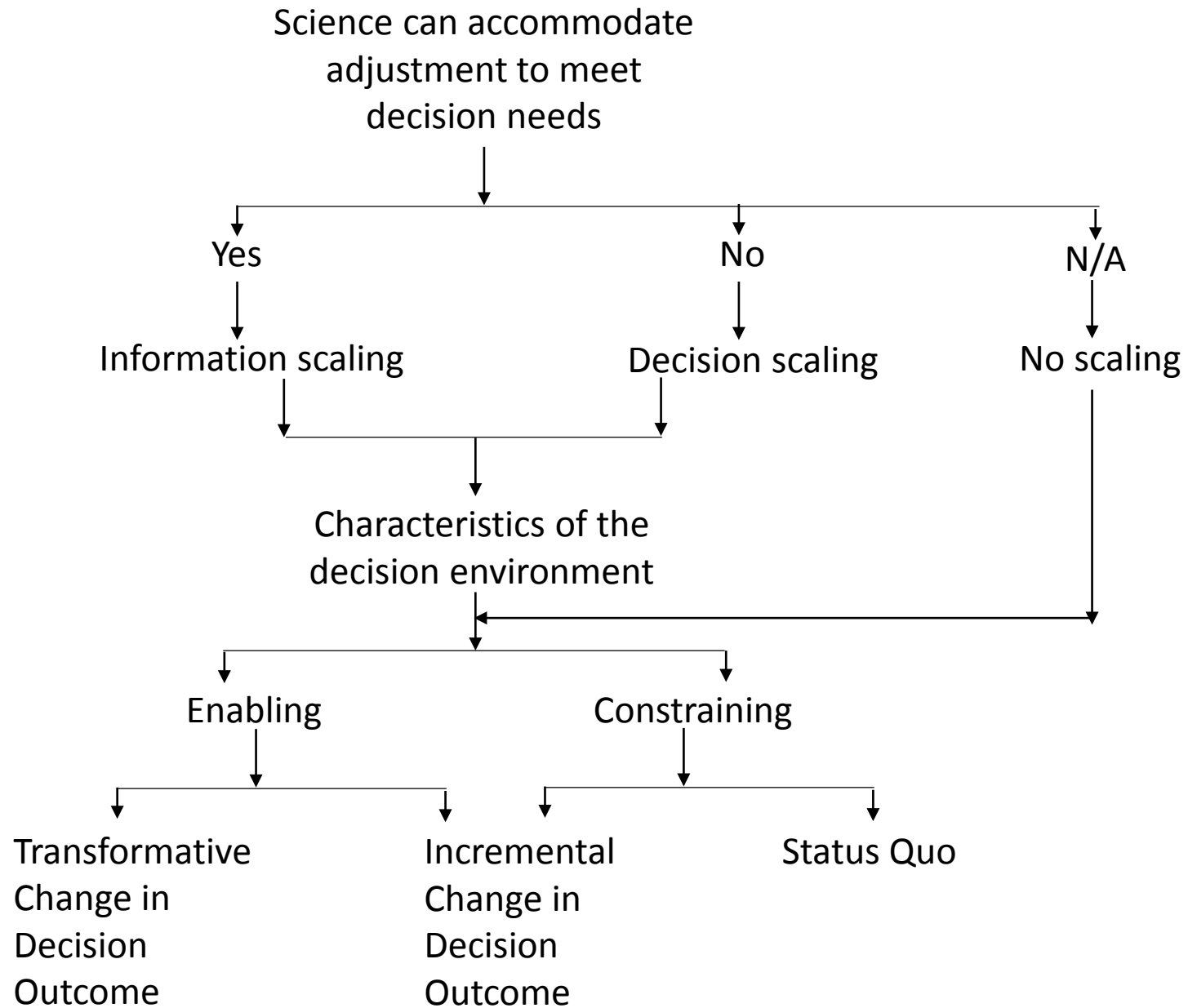


Fig. 1. Schematic diagram that shows how climate decisions at various spatial scales are mediated by whether global framings of climate change or locally-driven demand for climate information prevail. Ultimately, these factors will determine how decisions are located along a spectrum from climate sensitive decisions to decisions without attention to climate



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- This proposal involves 2 large surveys of stakeholders in the 4 sectors (water treatment, recreational fishing, beach management, and ag policy/management)
- Two large workshops – involving all 4 sectors kickoff and end of project
- Series of smaller workshops for co-production and decision influence diagramming
- Use initial survey results to generate workshop participants focusing on water treatment sector and second survey and change in diagrams over time to assess influence on willingness to use info and how info or decisions scale (or not)