

Co-producing knowledge on residential **electric vehicle** charging access for renters & multi-unit dwelling residents

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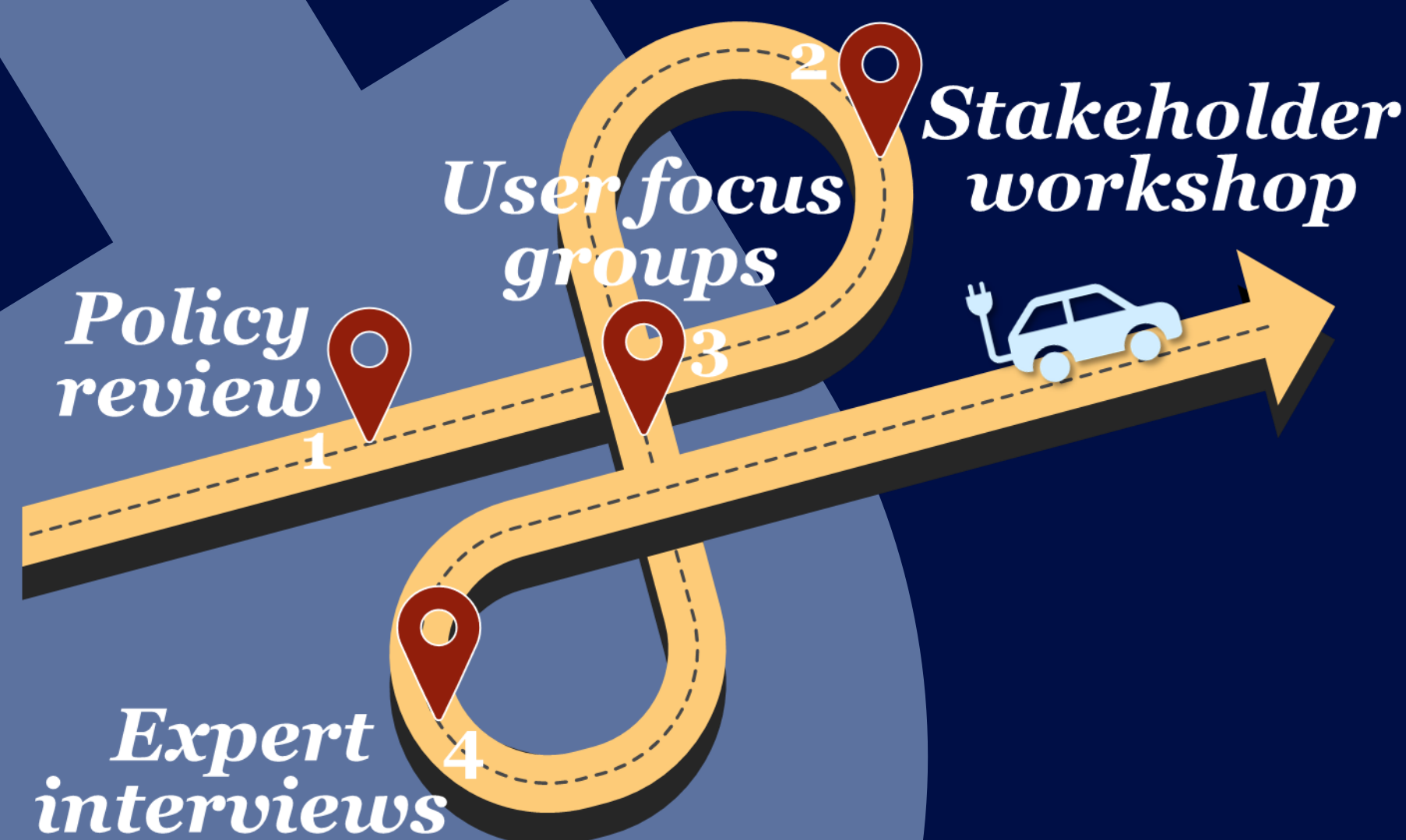
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CONTEXT

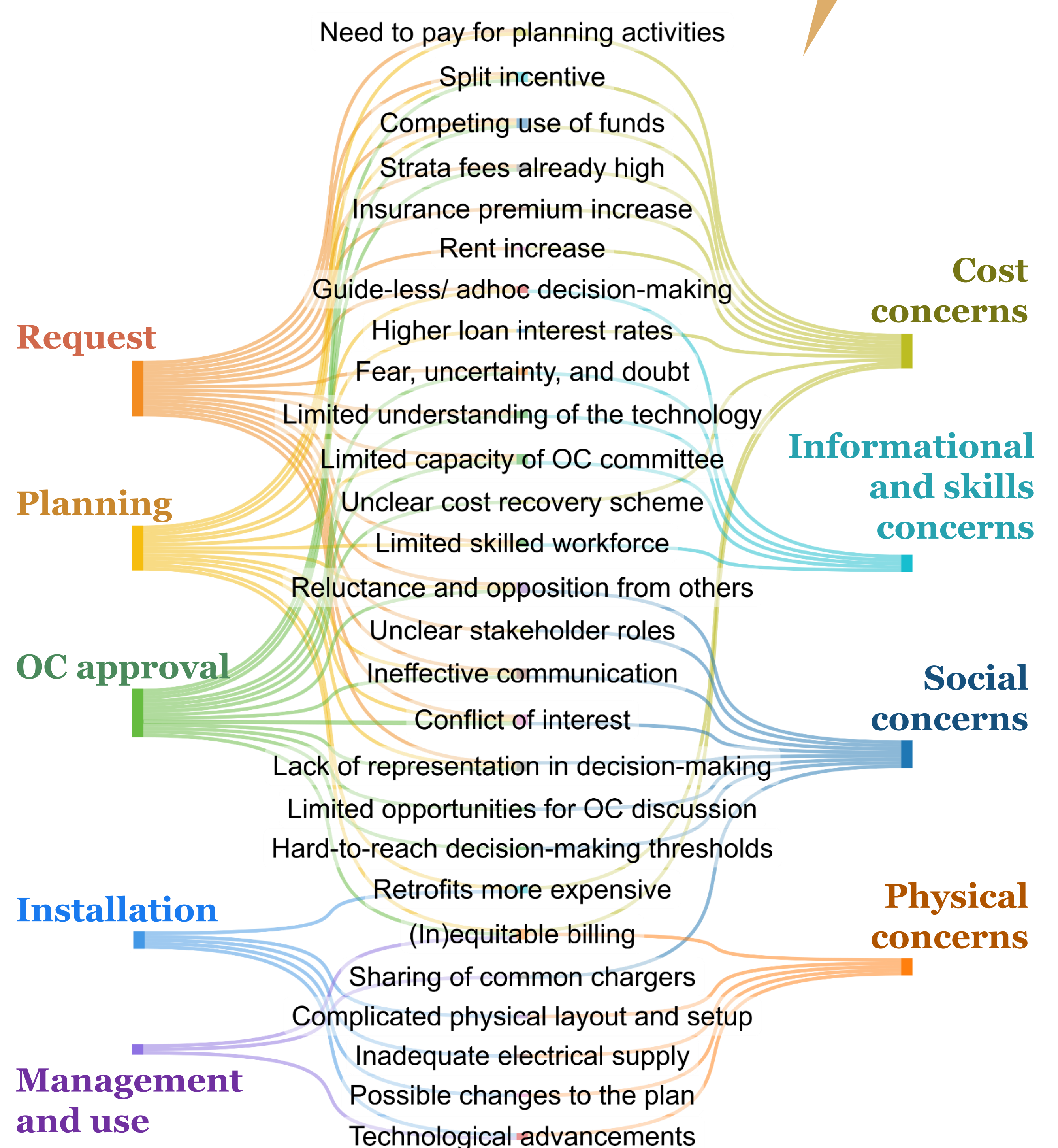
Electric vehicle (EV) users prefer home charging because it is convenient, relatively cost-effective, reduces range anxiety, and integrates seamlessly into daily routines. However, renters and multi-unit dwelling (MUD) residents face significant challenges to home charging due to complex parking layouts and the involvement of multiple decision-makers. These groups risk being left behind in the EV transition (as home charging remains a significant barrier to EV uptake) and becoming vulnerable to transport disadvantage (as the lack of home charging potentially limits travel options and out-of-home activity engagements).

Therefore, to assist in improving home charging access for renters and MUD residents, *we co-produce the EV charging implementation process and explore the challenges and solutions throughout this process.* We engaged with representatives of stakeholder groups:

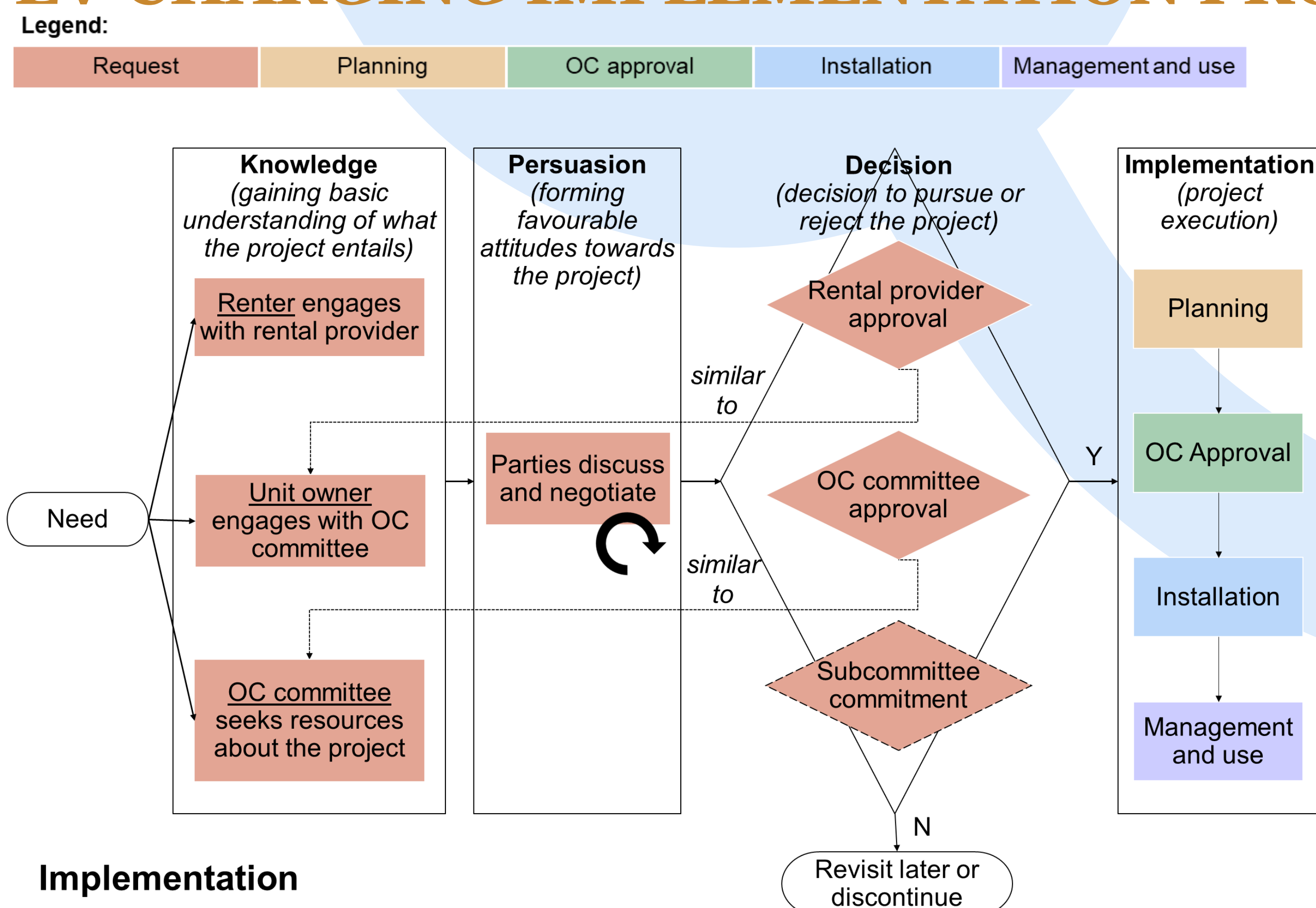
- renters
- unit owner-occupiers
- unit owner-investors
- property managers
- peak bodies
- charging solution providers
- insurance companies
- utility service providers
- government organisations



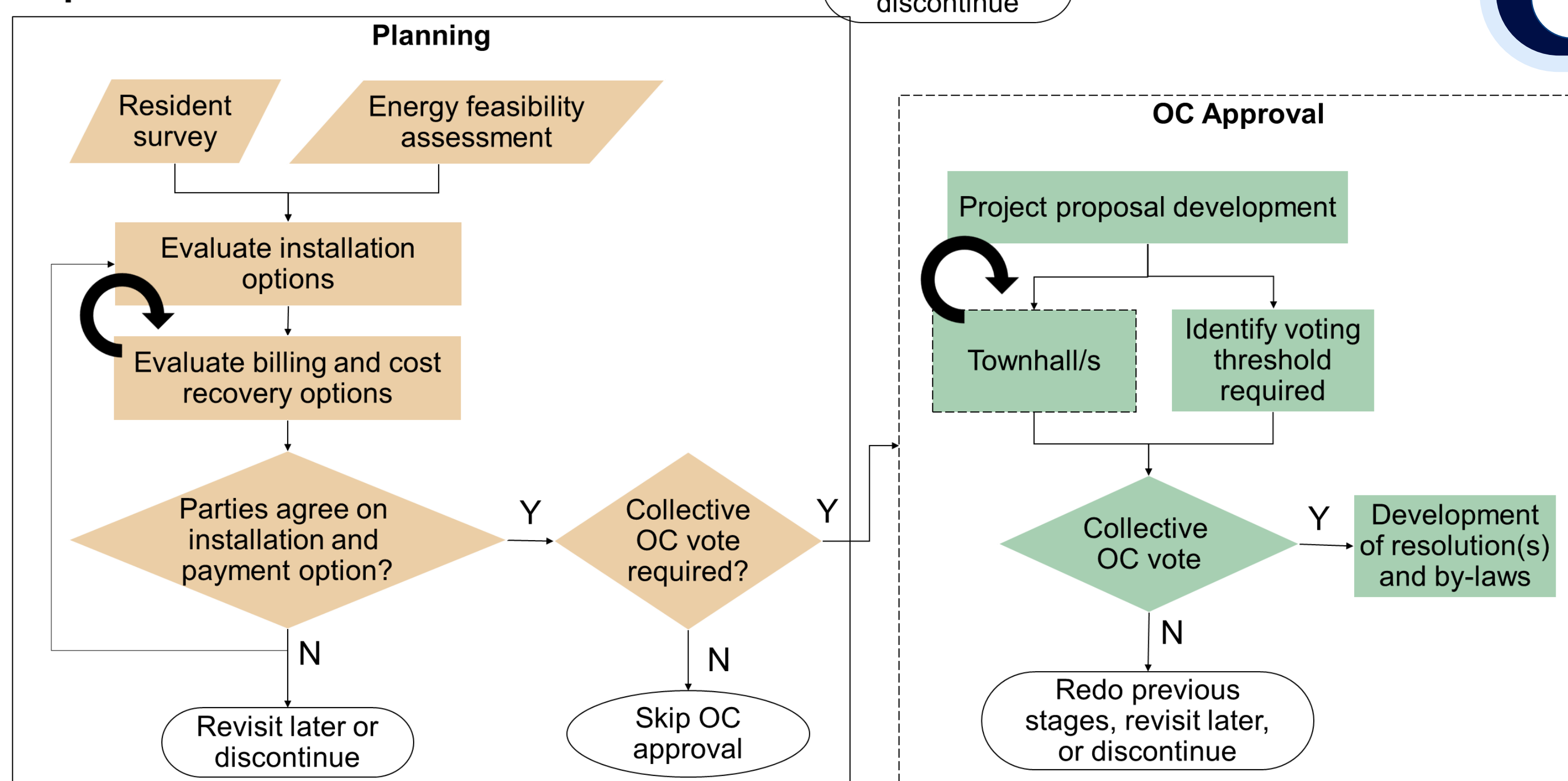
CHALLENGES



EV CHARGING IMPLEMENTATION PROCESS



Implementation



TAKEAWAYS

How can we improve home charging access for renters and MUD residents?

Research

- ✓ Toolkit for **evaluating installation options**
- ✓ Guides for developing **long-term improvement & maintenance plans**
- ✓ FUD-dispelling **knowledge base**

Practice

- ✓ **One-stop-shop hub** for EV charging
- ✓ Capacity building for OC committee members, strata managers, electricians
- ✓ Townhalls prior OC voting

Policy

- ✓ **Right-to-charge** legislation (and co-designed conditions)
- ✓ **Regulatory clarity** between policies encouraging EVs vs special hazards considerations
- ✓ **Government financing** guarantee program

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