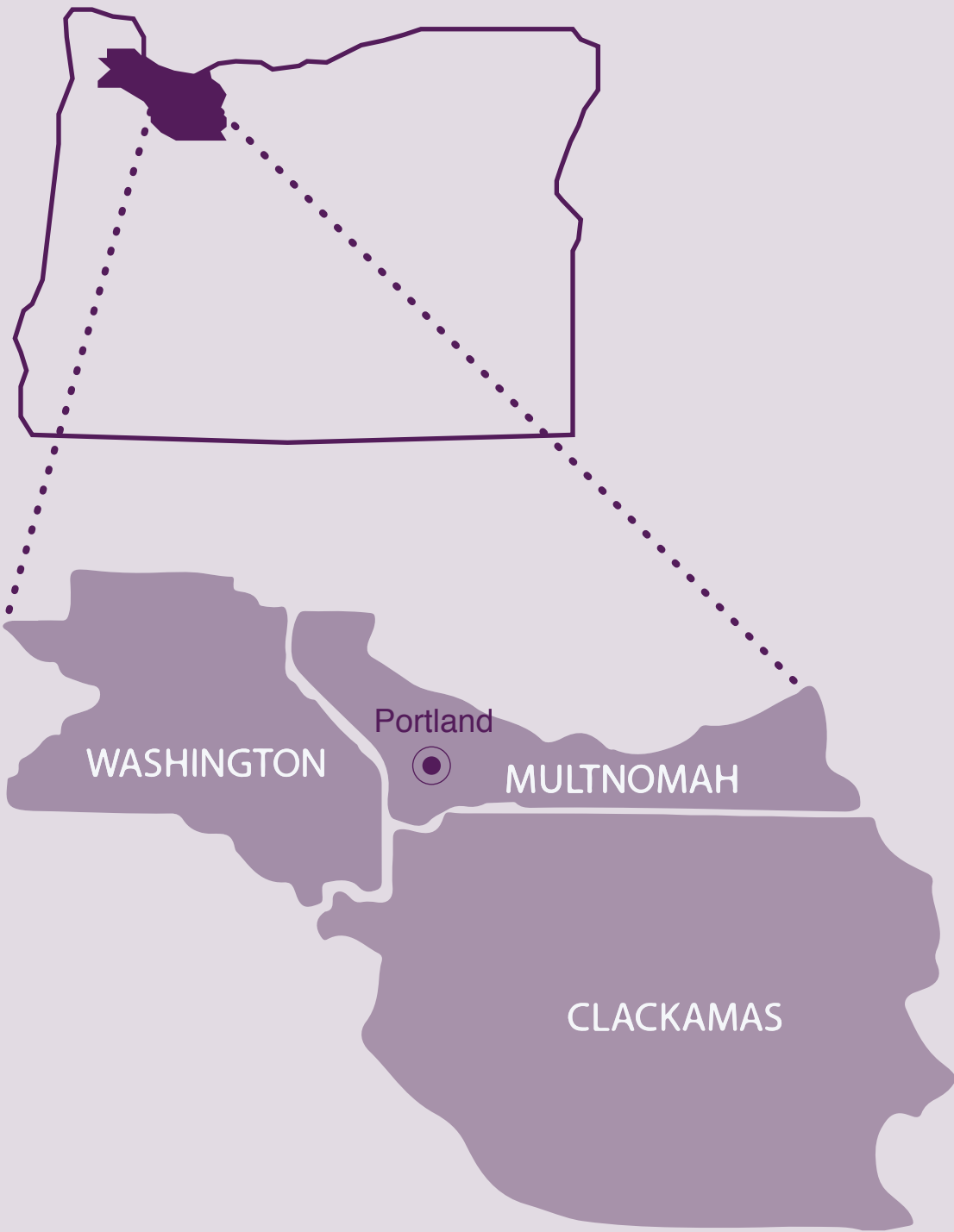


URBAN CARE STATIONS

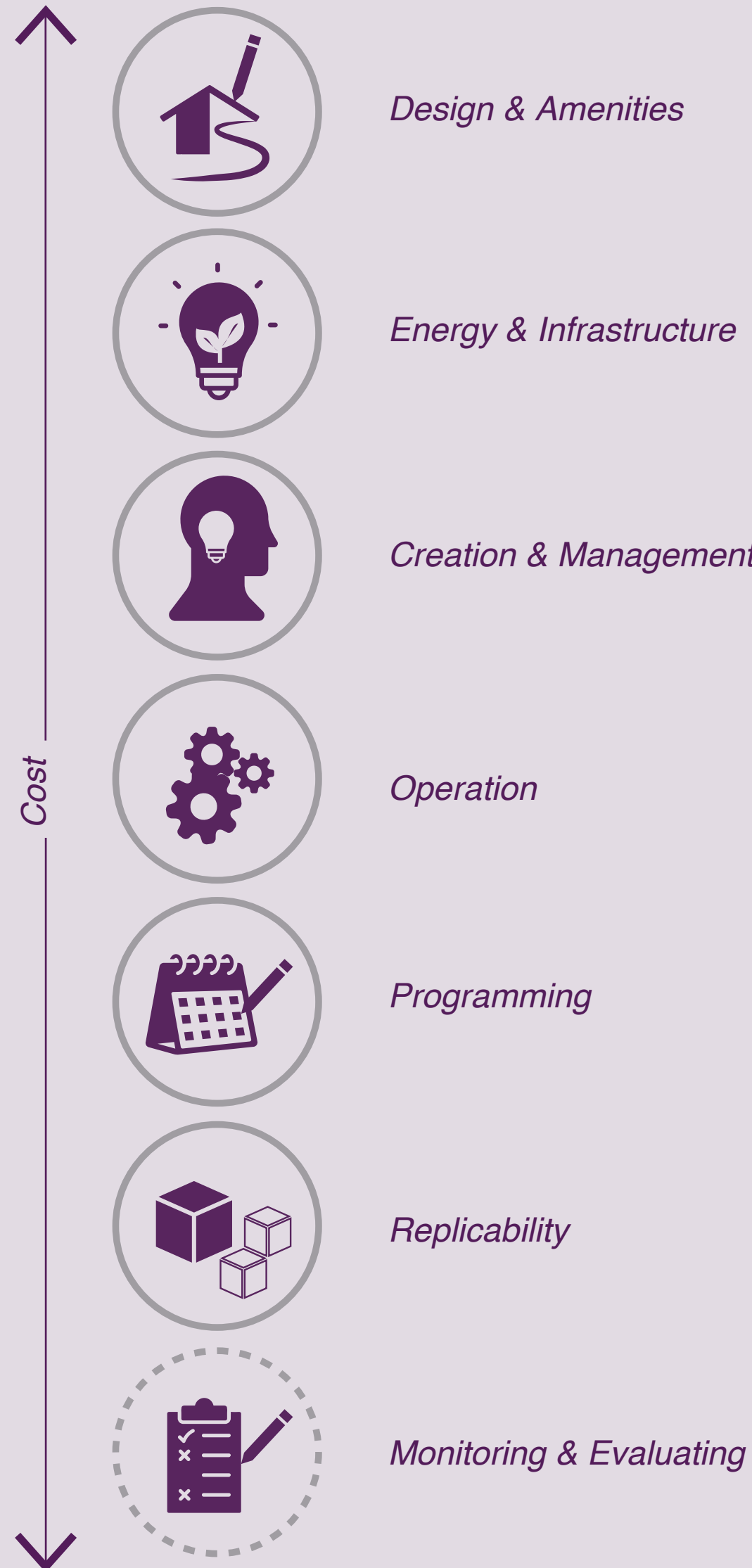
PROJECT DESCRIPTION:

Hygiene, waste and sanitation in the Portland metropolitan region is a broad and complex topic that relates to homelessness as a primary field, but stretches to other scenarios. The need for improving and increasing access to restrooms, showers and laundry facilities in Portland has been documented and proven through interviews and research. Due to its complex nature, multiple potential solutions to address accessibility have been explored (and some are already in place). These solutions lay at different scales (from neighborhood level to region level), include different hygiene services (from toilets to storage), and involve different stakeholders for their creation and management (from grassroots organizations to governments).

THE SCALE:
Oregon, tri-county level



THE CATEGORIES
of research & analysis



WHERE & WHAT IS THE NEED?



POST-DISASTER

When the Cascadia earthquake occurs it will be a pipe-breaking event that will devastate Oregon's sewer systems and infrastructures. It is evident that Oregon is not prepared to support after-disaster water and sanitation needs.

Image Credit: Rebecca Blackwell - The Washington Post



HOMELESSNESS

Perhaps no other population feels the urgent need for sanitation facilities more than those experiencing homelessness. Existing facilities do not meet their needs: they have limited hours, are in distant locations, and have long wait times.

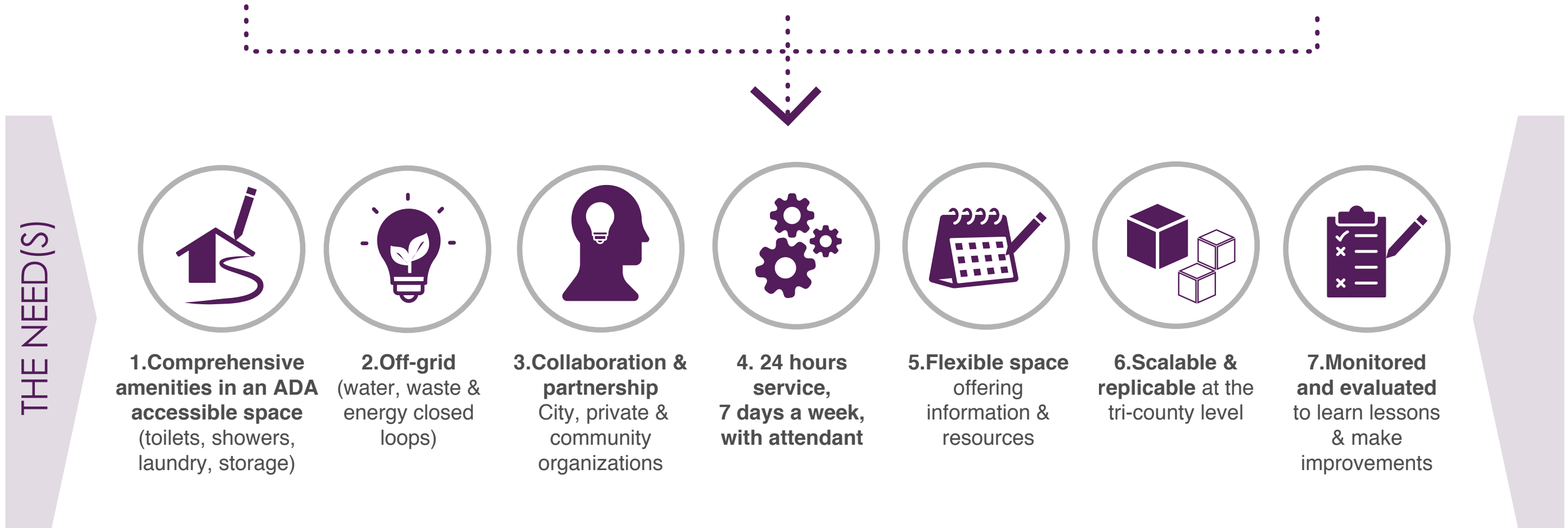
Image Credit: Homelessness Research and Action Collaborative



RECREATION

Public restrooms alone are a need and asset in public urban spaces such as streets, schools, and parks. The need and use of public restrooms is a matter that cuts across class, gender and race, and that benefits everyone.

Image Credit: www.portlandloo.com



HOW TO SOLVE THE NEED?

POST-DISASTER

5 Case Studies

- Relieve, New Zealand
- PHLUSH (WA), Portland (USA)
- Emergency Toilet Project, Portland (USA)
- SOIL, Haiti
- Edmunds, Virginia (USA)

HOMELESSNESS

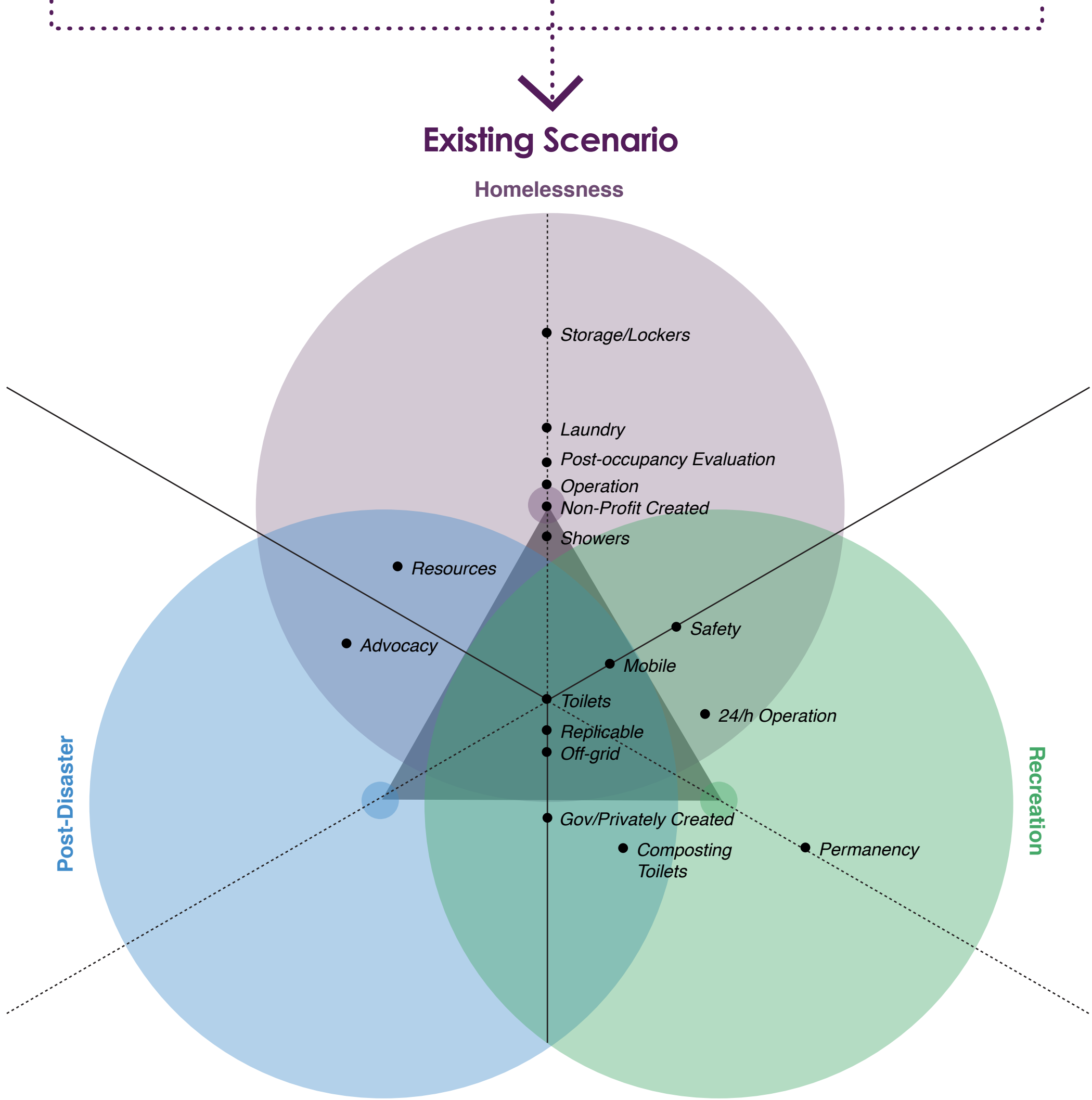
12 Case Studies

- Urban Rest Stop, Seattle (USA)
- Pit Stop, Sacramento & San Francisco (USA)
- LavaMae, SF, Bay Area, LA (USA)
- Fresh Start, Las Vegas (USA)
- Orange Sky Laundry, Australia
- ReFresh Spot, Los Angeles (USA)
- Portland Storage, Portland (USA)
- Harbor of Hope, Portland (USA)
- The Bin, Los Angeles (USA)
- Transitional Storage Center, San Diego (USA)

RECREATION

10 Case Studies

- Portland Loo, Portland (USA)
- Restrooms on Wheels, San Francisco (USA)
- Open Washroom Program, Vancouver (Canada)
- Natural Event, Australia, UK, France
- Green Flush, United States
- Clivus Multrum, United States
- Nature Commode, Portland (USA)
- MARTA, Atlanta (USA)
- Starbucks, International
- Prospect Park, NY (USA)



RECOMMENDATIONS FOR FUTURE PROJECTS & RESEARCH

We suggest a model in which all 7 defined needs and related solutions/features can live together. Here are three Urban Care Stations proposals and lines of research through which this model could become tangible and operative:

