

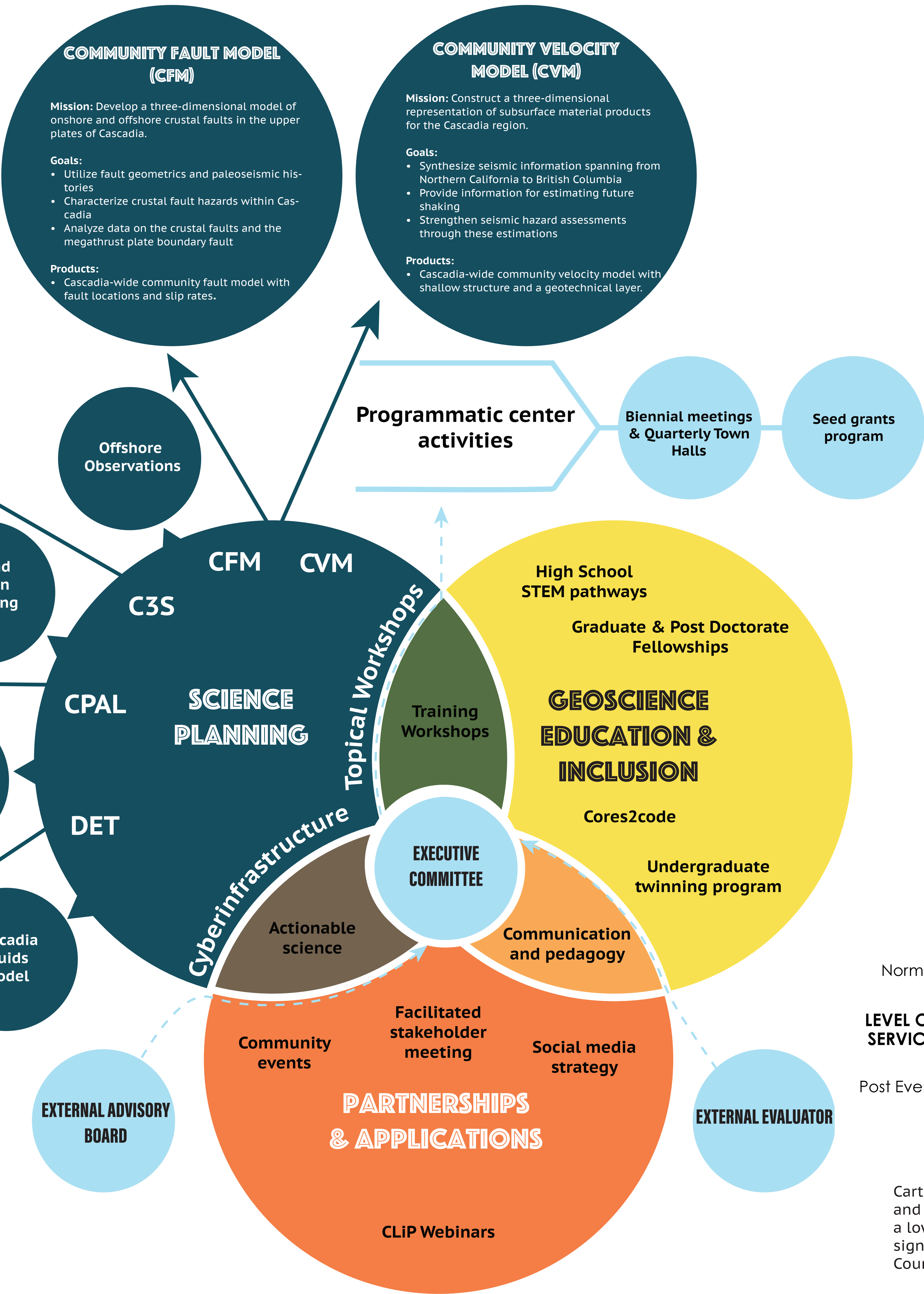


# AN OVERVIEW OF THE CASCADIA REGION EARTHQUAKE SCIENCE CENTER (CRESCENT)



Award Number: 2225286

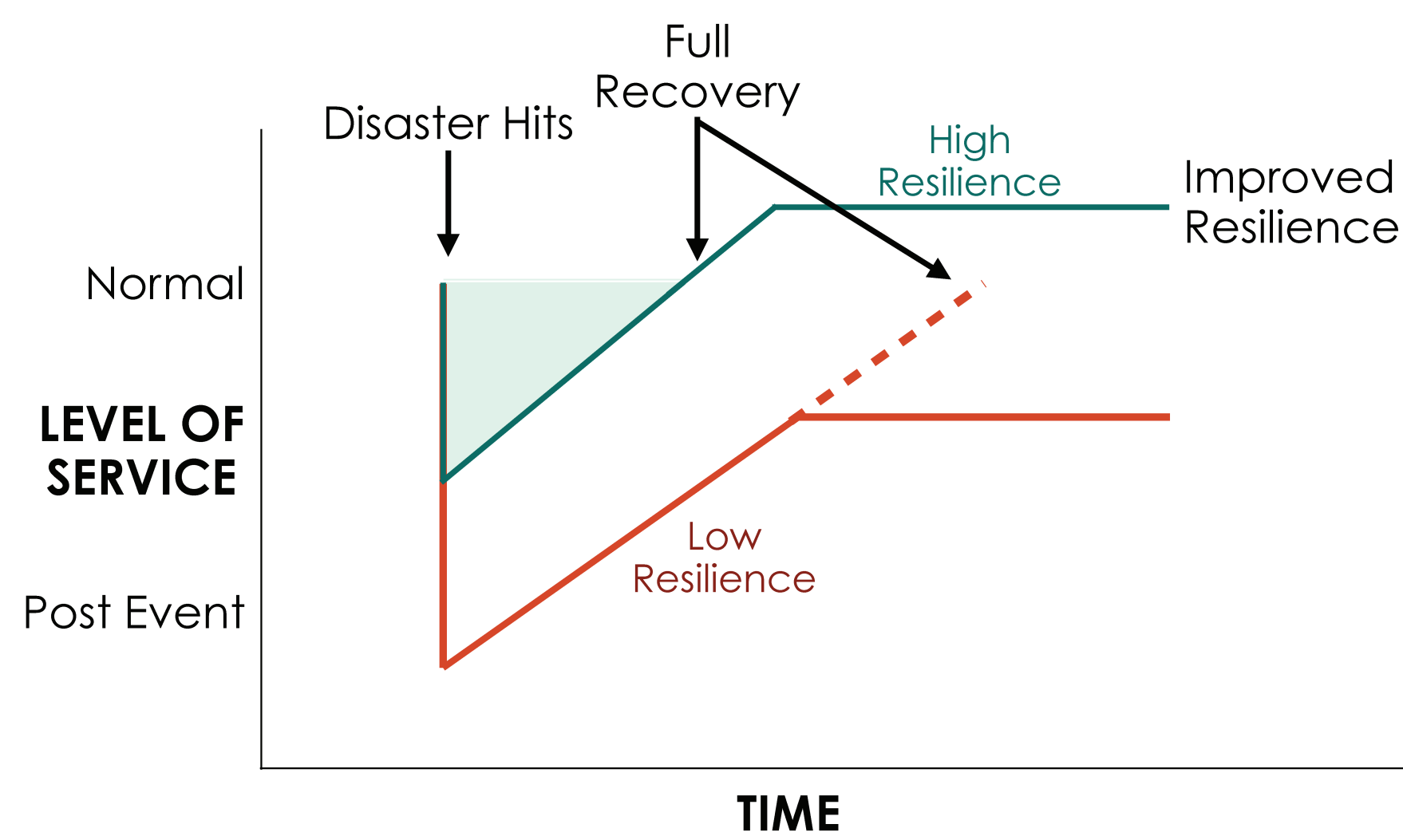
## SCIENCE WORKING GROUPS & SPECIAL INTEREST GROUPS



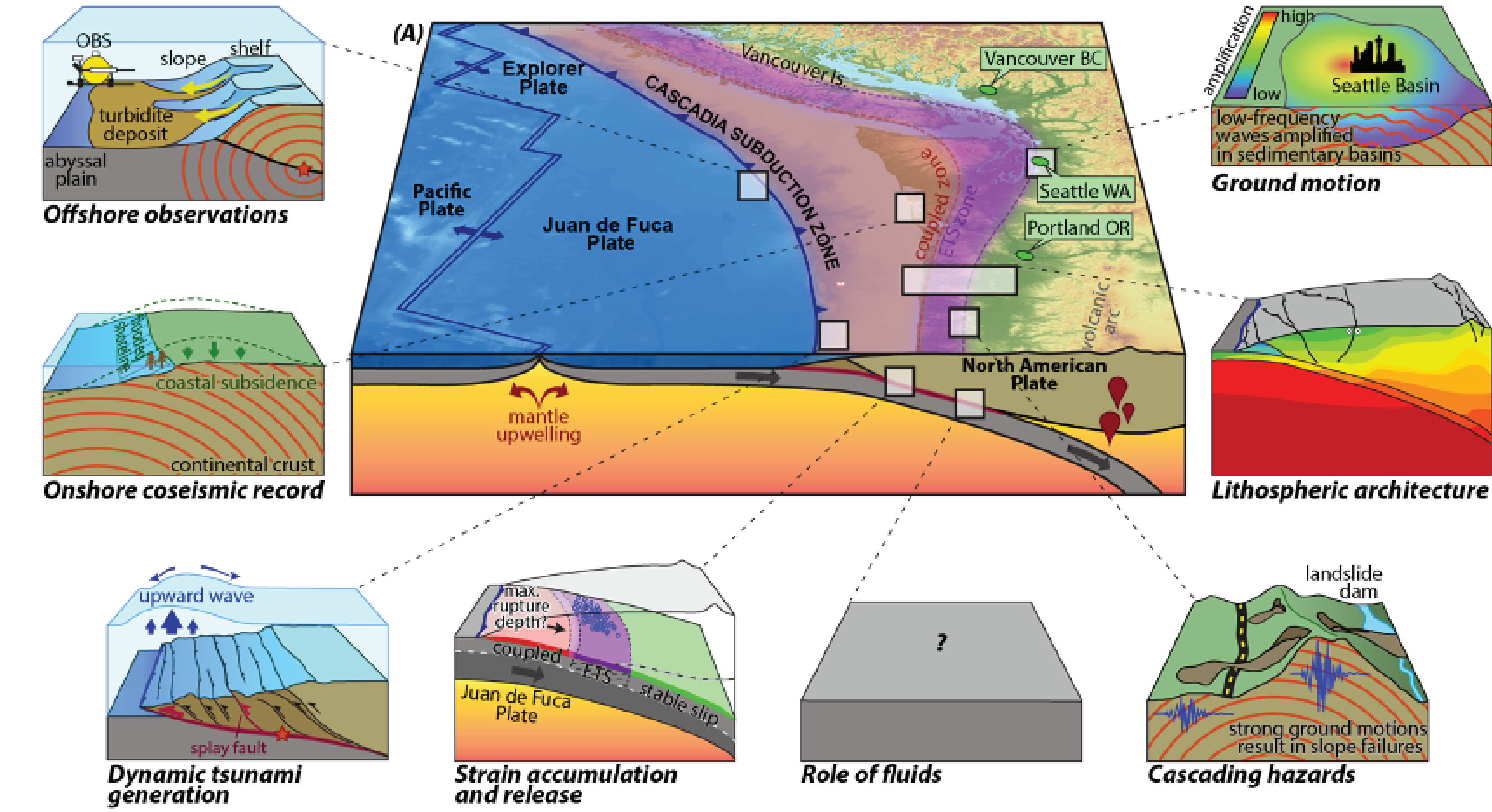
## GEOSCIENCE EDUCATION & INCLUSION (GEI)

**Mission:** Facilitate a culture for capacity building and increased diversity and inclusion in the Earth Sciences.

- Goals & Activities:**
- Research and training opportunities for historically marginalized students
  - Identify critical gaps in our current earth science workforce's skills
  - Develop skills building curriculum and train the next generation of students in data science, physical process modeling, tectonic geodesy, paleoseismology (coastal, crustal, marine), and offshore sensing
  - Technical short courses for students and early career scientists
  - Graduate and postdoctoral travel grants



Cartoon of a resilience triangle, demonstrating the decrease and recovery in level of service for a society after a disaster, for a low level of resilience and high resilience region. Recovery is significantly longer for less resilient societies. Courtesy of VJ. Sahakian.



Strategic Plan schematic, visually demonstrating the science and hazards goals of CRESCENT. Courtesy of Lydia Staisch.

## PARTNERSHIPS & APPLICATIONS (P&A)

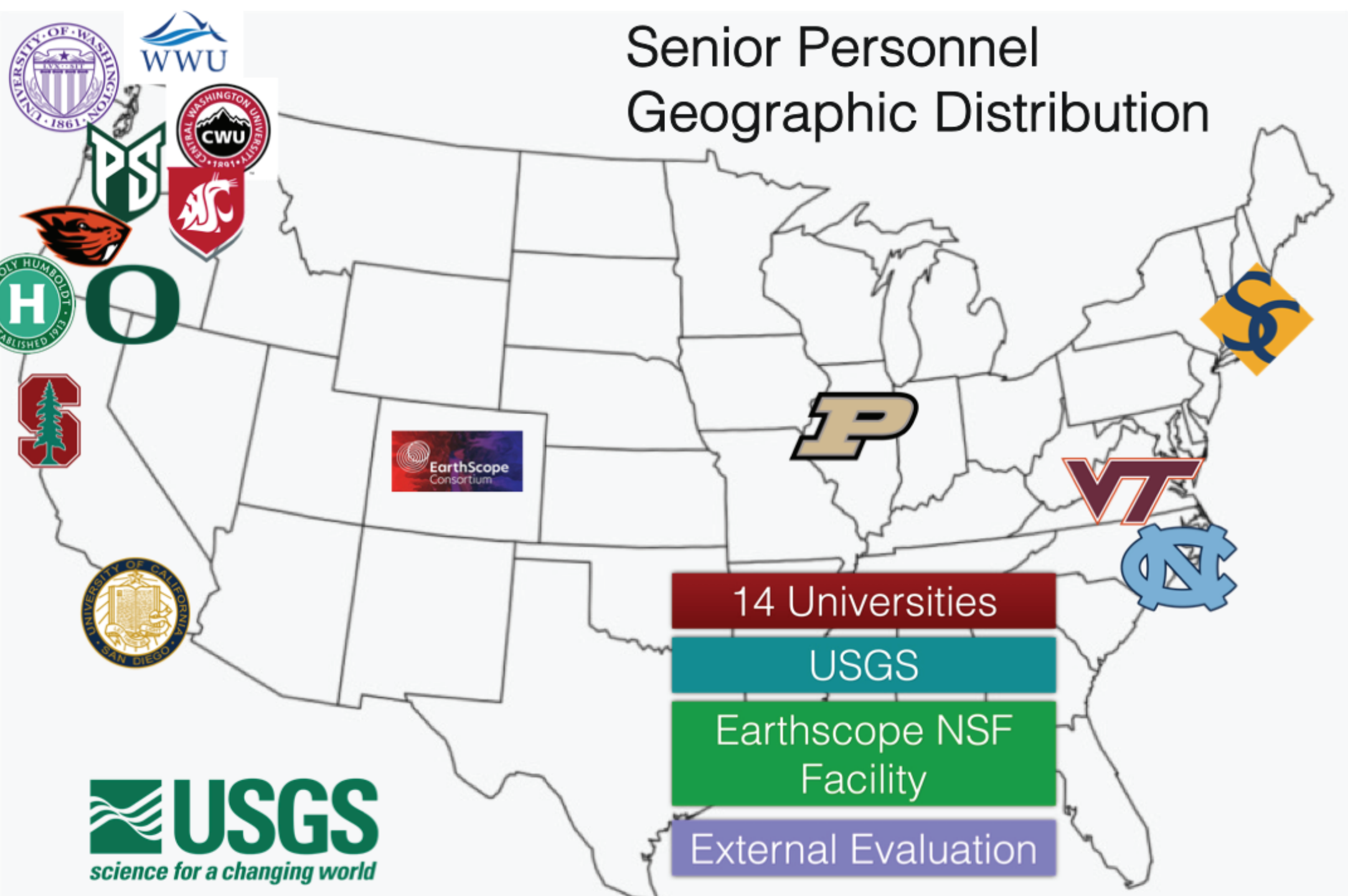
**Mission:** Form partnerships and collaborations with regional organizations and groups to guide and translate CRESCENT's science to meet societal needs.

- Goals & Activities:**
- Establish practices and relationships that foster the co-creation of knowledge
  - Host annual partner and community stakeholder meetings
  - Co-produce Cascadia Lifelines Program (CLiP) webinars on earthquake resiliency
  - Share information via web, listservs, newsletter and social media campaigns
  - Forge collaborative connections between partners and working groups
  - Forge connections between partners and working groups to collaborate on how CSZ earthquake research impacts critical infrastructure and policy development



## SEED GRANTS

The annual CRESCENT Seed Grant Program has the dual goals of broadening community participation and increasing the breadth of scientific investigations related to the center's scientific goals. Achieving these goals relies, in part, on inviting the community to participate in addressing key challenges identified through three major pillars: Science (S), Geoscience Education and Inclusion (GEI), and Partnerships and Applications (PA).



Funds to senior personnel

- 9 graduate students
- 10 postdocs
- 29 Faculty

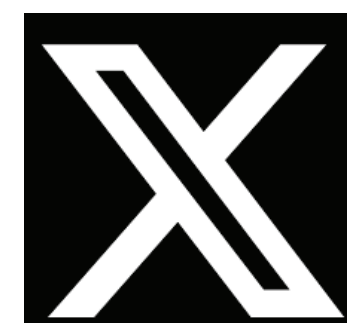
- Funded through CRESCENT Programs
- 36 undergraduates
  - 14 grad students
  - 26 seed grants to PIs

## CONTACT CRESCENT

email: [cascadiaquakes@uoregon.edu](mailto:cascadiaquakes@uoregon.edu)



[cascadiaquakes.org](http://cascadiaquakes.org)



@cascadiaEQs



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