

Software Engineering Competency Center (SECC)

*Building a culture of excellence
across the organization*

Software engineering discipline

- *Engineering* (from Latin ingenium, meaning "cleverness" and ingeniare, meaning "to contrive, devise") is the application of scientific, economic, social, and practical knowledge in order to invent, design, build, maintain, and improve structures, machines, devices, systems, materials and processes



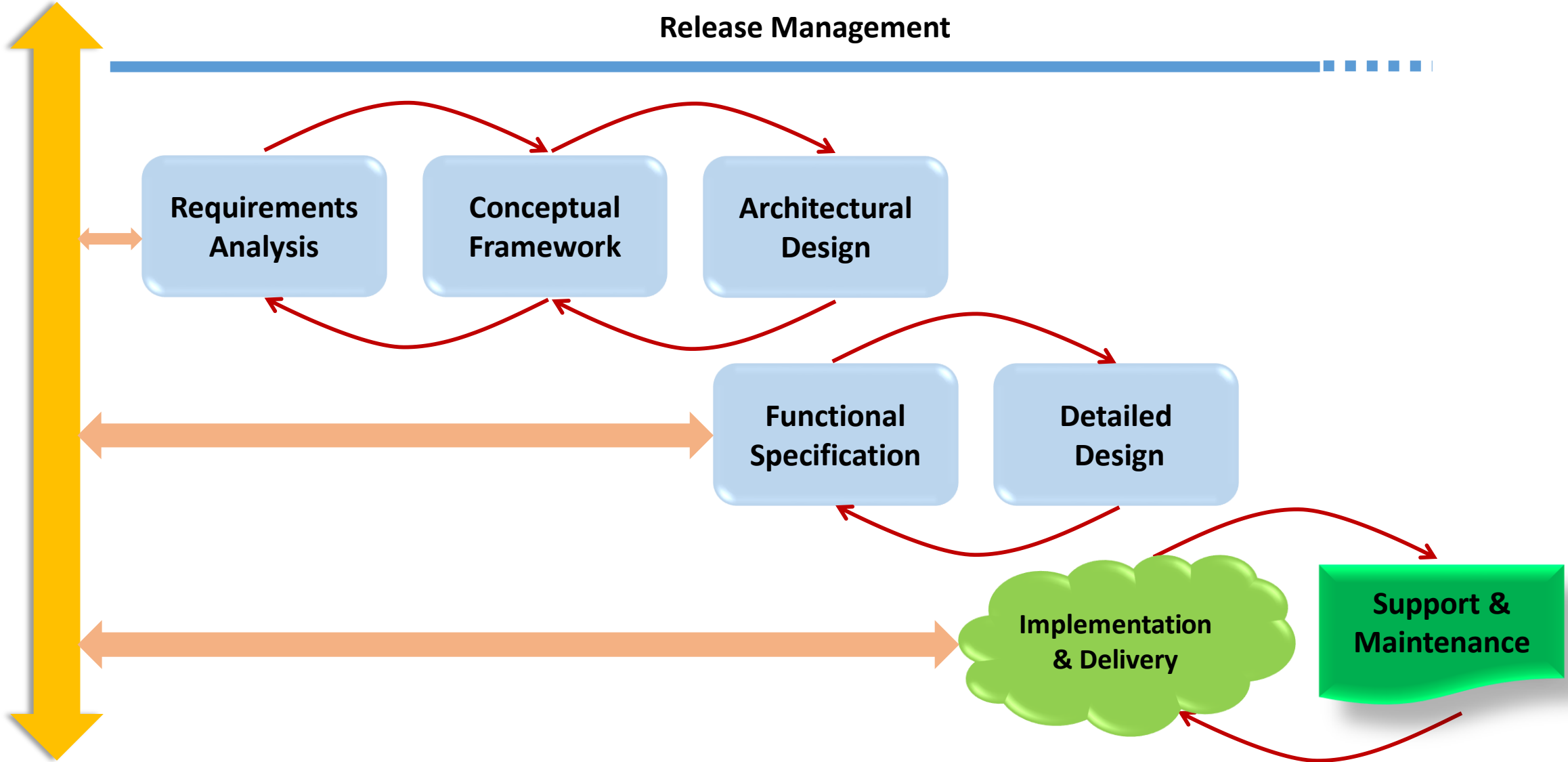
What is a SECC?

- A *Software Engineering Competency Center* is an entity that provides leadership, advocacy, best practices, knowledge repository, professional services, research, support, and training in all areas of the discipline of software engineering



Areas covered

Release Management



Purpose

- Promote ethics, collaboration, professionalism, and best practices across the software development organization
- Nurture an environment that rewards innovation, intelligent problem solving, and ability to re-invent
- Create significant, measurable business and customer-valued results
- Drive initiatives to strengthen core competencies, control costs, reduce risks, and enhance user experience



Objectives and responsibilities

- **Support:** Offer support to the different teams within the software development organization. This may be through services needed, or providing subject matter experts
- **Guidance:** Provide standards, methodologies, tools and knowledge repositories
- **Shared Learning:** Training and certifications, skill assessments, team building and formalized roles are all ways to encourage shared learning
- **Measurements:** Demonstrate that SECC is delivering the valued results that justified its creation through the use of output metrics
- **Governance:** Allocate limited resources (money, people, etc.) across all their possible use
- **Economies of scale:** Ensure organization invests in the most valuable projects and create economies of scale for their service offering
- **Coordination:** Coordinate across other corporate interests to enable the SECC to deliver value

Organization

- Executive Council, professional staff (full-time)
- Domain expert consultants (part-time)
- Technical advisors



Partnership

- In the process of joining 'Partner Network' of Software Engineering Institute (SEI) at Carnegie Mellon University



- Read more at

<http://partners.clearmodel.com/guide/about/>