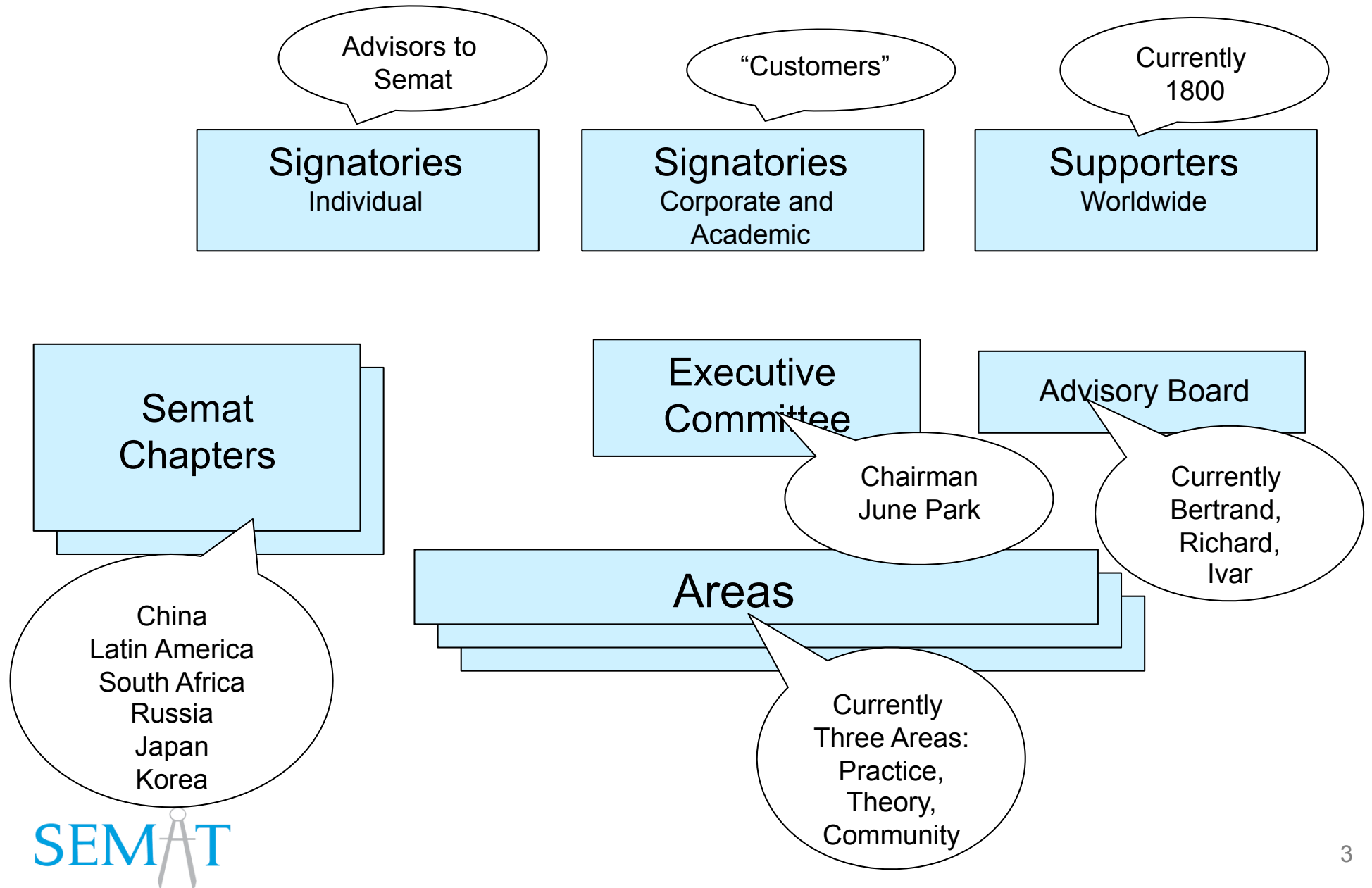Introduction to SEMAT

www.semat.org

Objectives of SEMAT

- SEMAT (Software Engineering Method and Theory) is an open community where volunteers work together to re-found software engineering.

☞ Visit http://semat.org to find more about SEMAT.

SEMAT

Contributors to SEMAT

Advisors to Semat

Signatories
Individual

"Customers"

Signatories
Corporate and Academic

Currently 1800

Supporters
Worldwide

Semat Chapters

China
Latin America
South Africa
Russia
Japan
Korea

Executive Committee

Chairman June Park

Advisory Board

Currently Bertrand, Richard, Ivar

Areas

Currently Three Areas: Practice, Theory, Community

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3

Achievement To Date

A method is a composition of Practices. Methods are enactable.

A practice is a repeatable approach to doing something with a specific purpose in mind. A practice provides a systematic and verifiable way of addressing a particular aspect of the work at hand.
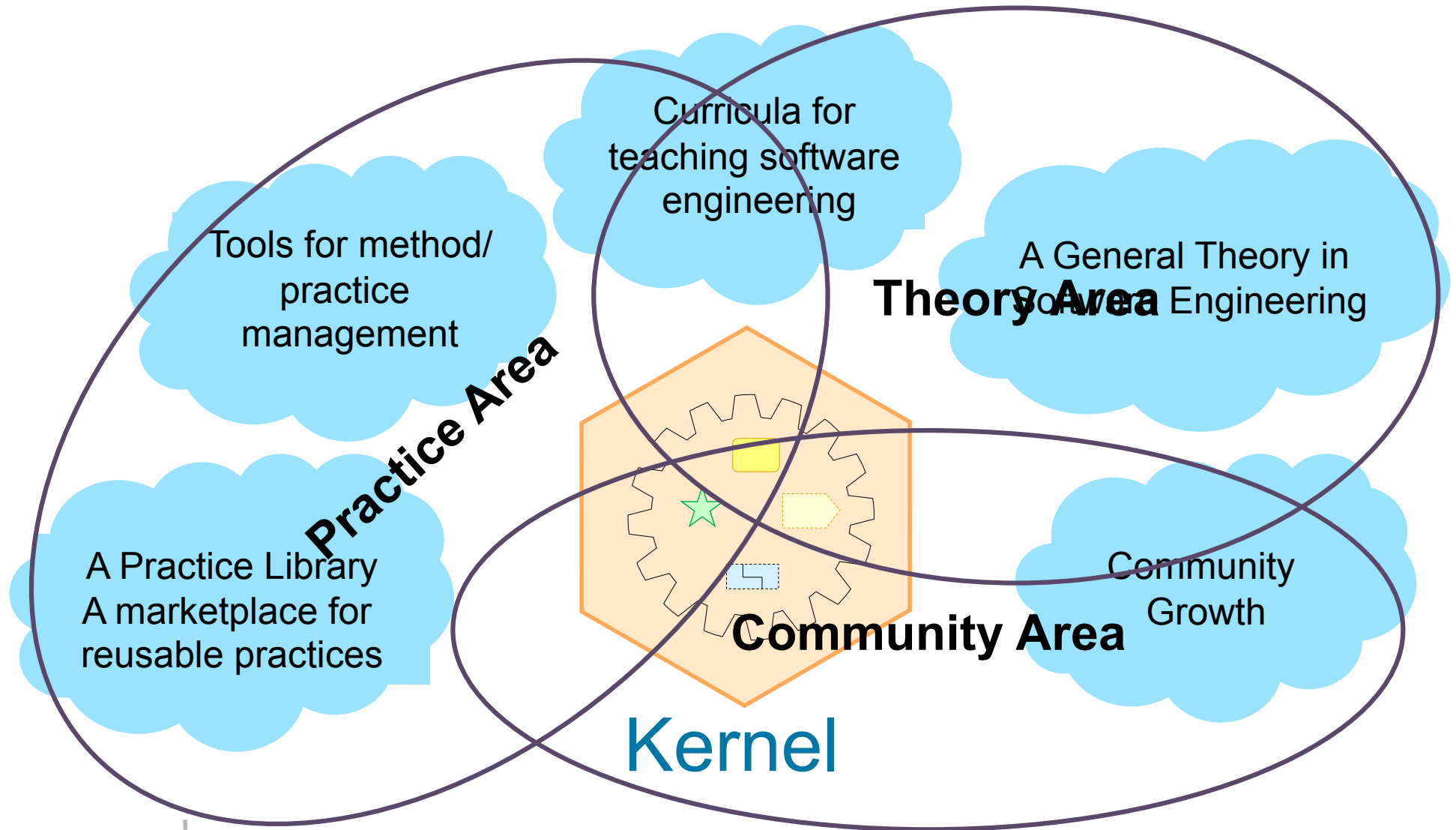
Methods

Practice

Are co...

The Kernel

...ncludes ...ential elements of software engineering.

kernel elements

New OMG Standard

is defined in terms of

The Language

The Language is the domain-specific language to define methods, practices and the essential elements of the Kernel.

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4

Ongoing Endeavors

Curricula for teaching software engineering

Tools for method/practice management

A General Theory in Software Engineering

Theory Area

Practice Area

A Practice Library A marketplace for reusable practices

Community Growth

Community Area

Kernel

SEM☿T

Theory Area

- A general theory of software engineering
  - Workshops on the subject held in Stockholm in 2012 and San Francisco in 2013

- Research in software engineering
  - Topics for research have been proposed.
  - This list is growing and distributed.

Practice Area

- Practice library
  - The objective is to create a practice library of say 25 practices on top of the kernel. Getting this library is fundamental to the industry.

- Tools
  - The creation of an open source project based on Eclipse has been discussed.

- Education
  - SEMAT should create and offer training to help people to understand the concepts and put them into practice.

- The FTC (Finalization Task Force) of the OMG standard

- An Essence User's guide

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Community Area

- Making Semat a Legal Entity
- Engaging our signatories
- More chapters of SEMAT
- Publications
    - Papers, papers, papers…and books about the language and more books about usage of Essence …all are needed

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Questions

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