

Inner Source: Adopting Open Source Practices within Organizations



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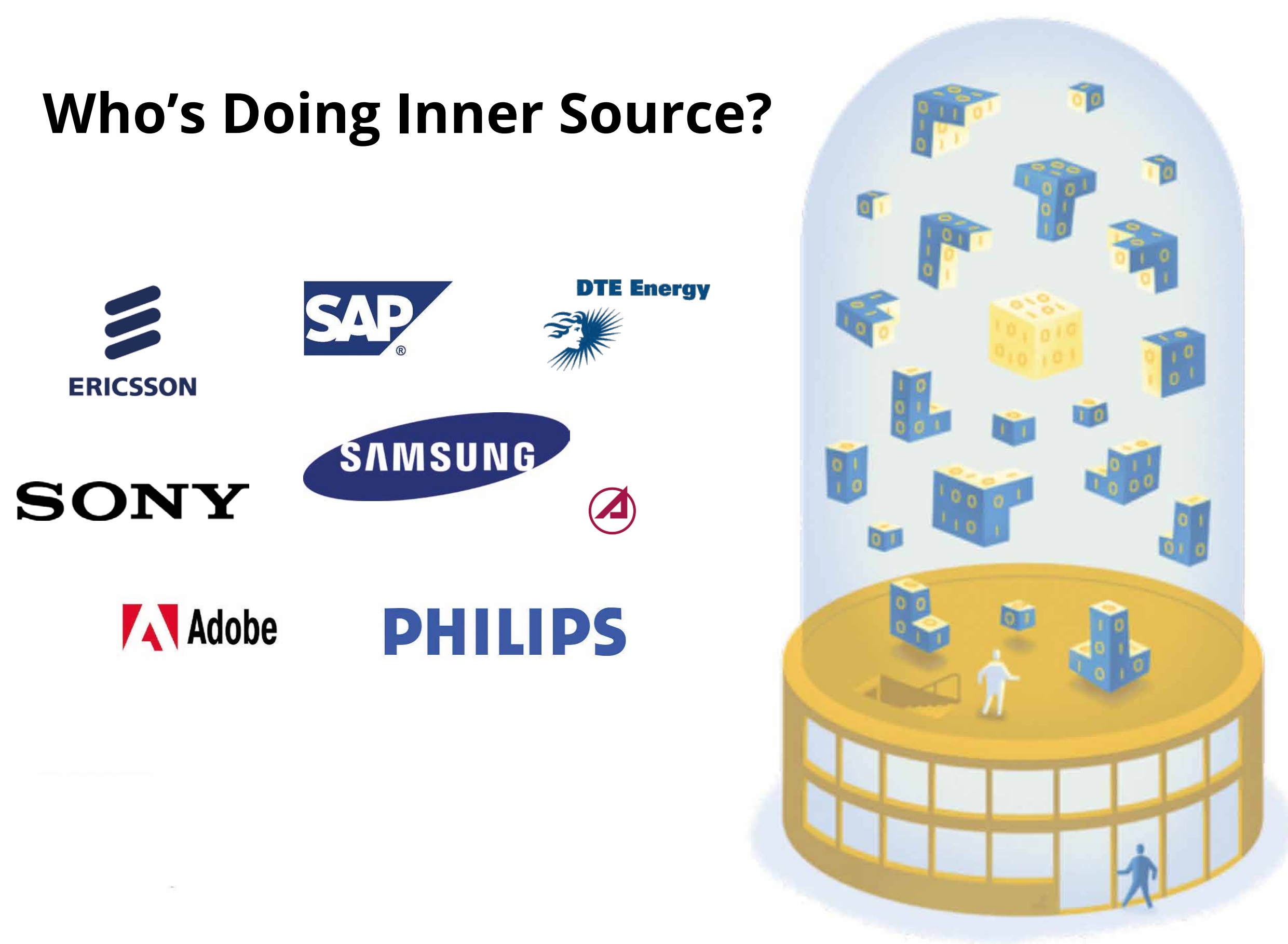
1 What is Inner Source?

Inner Source refers to the leveraging of open source development practices within organizations.

Inner Source offers several potential benefits, such as increased reuse, leveraging Linus's Law to achieve higher quality, shorter time-to-market due to increased collaboration, and encouraging developer creativity and innovation.

Inner Source is attracting significant industry attention, but it is not straightforward to implement.

Who's Doing Inner Source?



2 Researching Inner Source

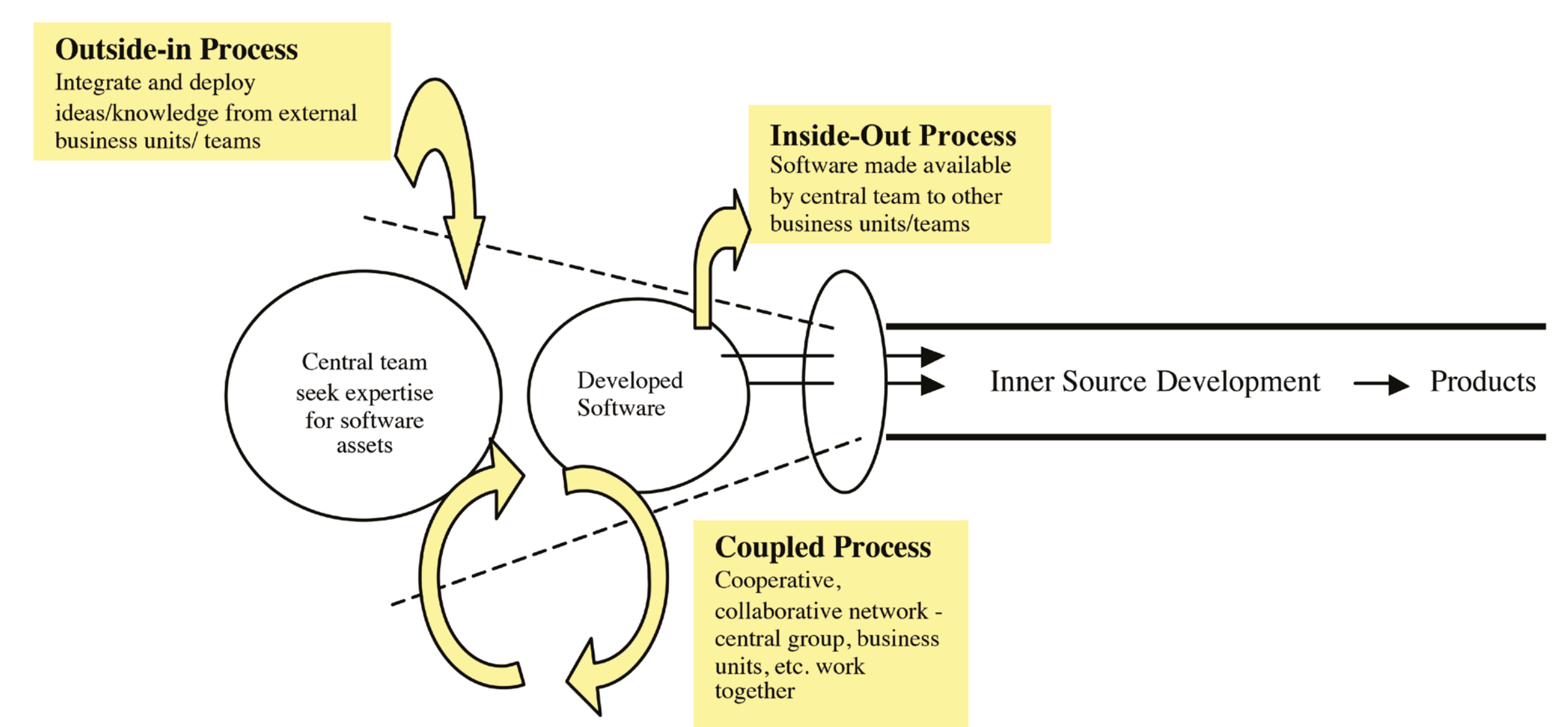
Our research agenda addresses the following key topics.

1. Distilling Key Factors for Adopting Inner Source

Conducted an extensive literature review to identify the key concerns for adopting inner source [Stol et al. 2014].

2. Theoretical Lenses for Studying Inner Source

Studying Inner Source as an instance of internal open innovation [Morgan et al. 2011]



3. Developing an Inner Source Taxonomy

Field studies to study Inner Source "in the wild" – how do organizations tailor open source practices to their context?

4. Governance Framework for Inner Source

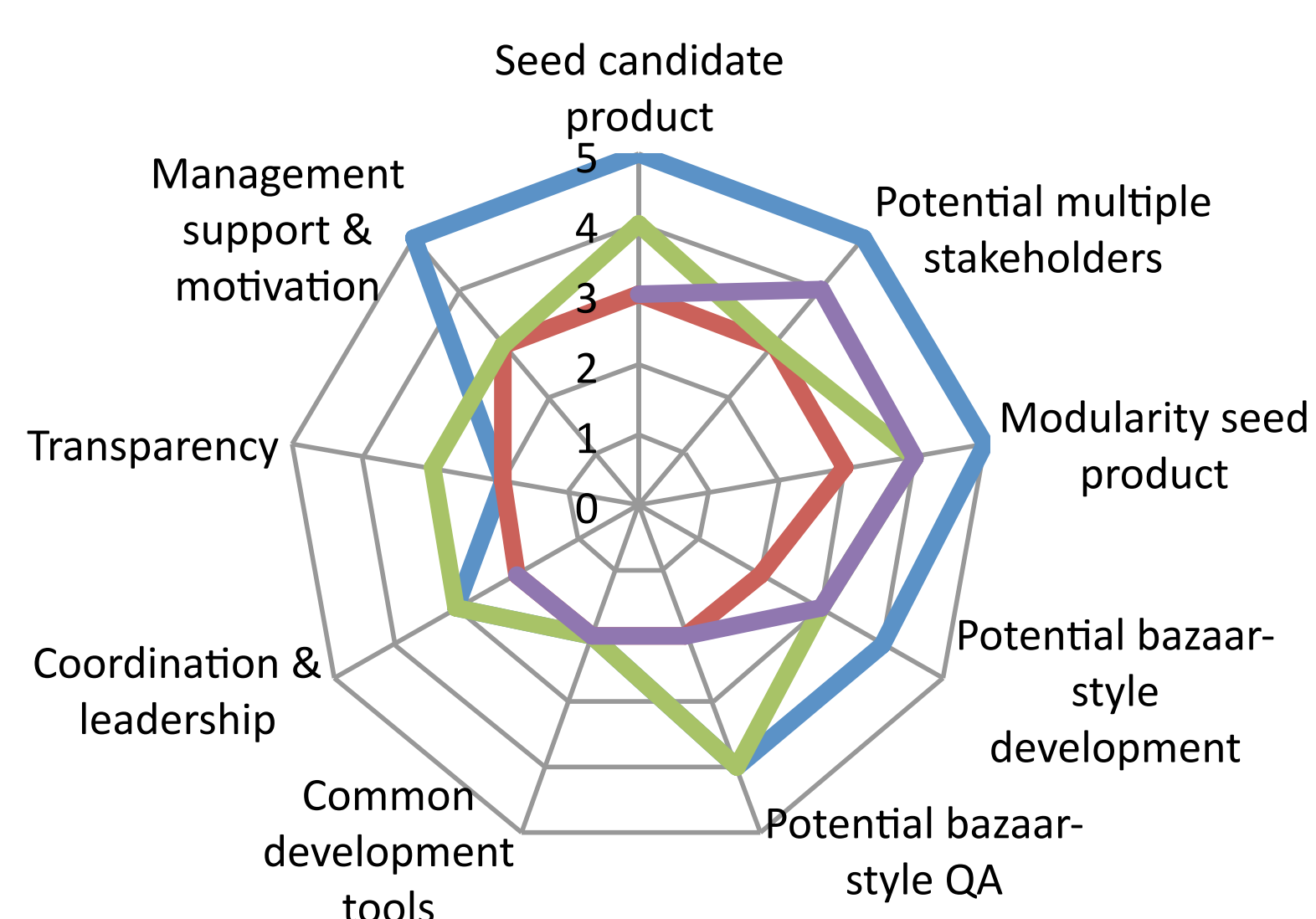
How do companies employ best practices for governing inner source?

5. Business Models for Inner Source

What are the resulting business models for internal markets?

3 Results

- » Framework of 9 Factors for Adopting Inner source
- » Case studies conducted with companies including Rolls Royce, Philips Healthcare and Neopost



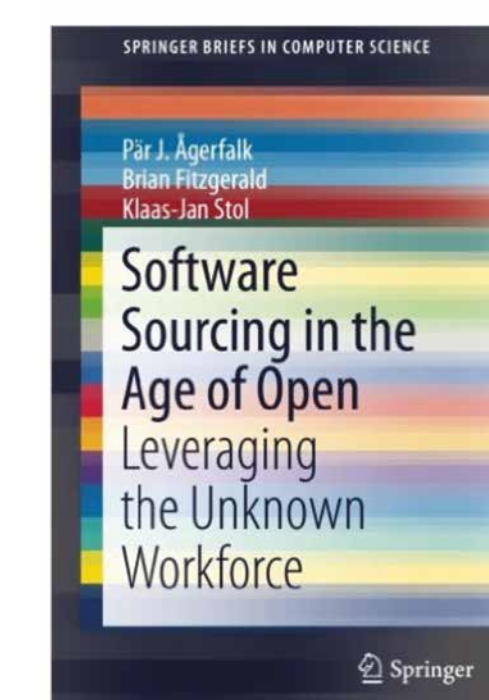
4 Dissemination and Impact

Industry Workshop

- » Inner Source from the Trenches, NUI Galway
 - » Invited speakers from Alcatel Lucent and Ericsson

Talks

- » Keynote OpenSym 2014
- » Brigham Young University
- » University of Adelaide



Publications

- Agerfalk PJ, Fitzgerald B, Stol K, "Software sourcing in the age of open: Leveraging the Unknown Workforce," Springer, 2015
- Stol K and Fitzgerald B, "Inner Source—Adopting Open Source Practices within Organizations: A Tutorial" IEEE Software, 32(4), 2015
- Höst M, Stol K, Orucevic-Alagic A, "Inner Source Project Management," Software Project Management in a Changing World, G Ruhe & C Wohlin (Eds.) Springer, 2014
- Stol K et al., "Key Factors for Adopting Inner Source," ACM Transactions on Software Engineering and Methodology (TOSEM), 23(2), 2014
- Morgan L, Feller J, Finnegan P, "Exploring inner source as a form of intra-organisational open innovation," European Conference on Information Systems, 2011
- Stol K et al. "A comparative study of challenges in Inner Source and Open Source," Information and Software Technology, 53(12), 2011.