

# Workshop 14 Summary

Day 1

# Attendees

- Rick, Nicole, Art, Emma, Dave, Dick, Tim, Sam, Holly, Ken, Courtney, Ariela, Christine, David, Bill
- Heidi, Judith, Brian by phone
- Hoping for late arrivals

# Objectives

- Agree on 2014/5 plans
- Agree on senior editors and EB roles/tasks
- GB/EB relationship and goals
- Plan for SEBoK 1.4 – due November.

# Review

- V 1.3, dedicated to Ricardo
- Quick links and front matter reorganized
- Changes to attribution and release history – will “have a think about it.”
- Need to think about ‘core team edit’ – new process doesn’t scale to a full revision
  - Review of new content
  - Working through pre-publication checks (technical edit, links, format, etc)
  - Use of Wiki consultant

# Editor interviews – take-aways

- Editors happy and correctly placed
- More connectivity with other editors and larger community
- Alignment to other BoK, standards, HB
- Interface with other disciplines
- Catching up on rapidly developing content: systems thinking, MBSE, Agile, SoS, and Enterprise, e.g.
- Scope, boundary, original vs summary of existing content, dealing with emerging fields
- Integration not seen as a serious problem

# Part 1 - Ariela

- Introduction and structure articles planned for 1.4
- Discussion and systemigram of how the parts hang together.

## Part 2 - Mike, Janet, Duane, Cihan, Dov

- Vision and discussion with Systems Science community (ISSS)
- Models and modelling
- Linking Systems Approach to complex problems and SE
- Challenge with linking to other societies / communities of interest – extended discussion of opportunities
- Difference between being an SE and doing SE

# Part 2 plan for 1.4

- Articles:
  - What is a system
  - Types of systems
  - History of systems science
  - What is systems thinking

Also:

Make MBSE more visible and central – issue that extends beyond Part 2

- Quick wins for 1.4, full plan for 1.5, 1.6
- Working on “Systems Approach” – a challenge, but important to connect systems science, systems thinking, and SE



## Part 3 – Garry et al

- More mature. Stay aligned with ISO and SE HB 4.0
- “Coevolution”
- Plan for 1.4 – 1.6 exists, and is staffed
  - 1.4: two new articles, two updates
  - Life cycle models needs review
  - Lean and Agile?
- Discussion on progression of roles and talent recruiting

# Part 4 – Judith, Mike, Sam, James

- Expand, especially Enterprise and SoS and their integration
- Fully cover product and service SE
  - Service SE has a narrow view based on SW
  - Discussion on capturing emerging domains
- SoS and Enterprise: still gelling on foundational issues

# Part 5

- Check on currency and rethink structure – but don't forget audience
- 1.4: SE Education article?
- Focus on 1.5 & 1.6
  - Align with competency working group and HELIX, etc.
  - Academic Forum Workshops
  - Review team
  - Find right authors
  - Need new editor

# Part 6 - Alice

- Need authors – lots uncovered
  - IEEE?
- Nice tabular approach to looking at the part as a whole
  - thanks, Alice!
- 1.4: recruit team, develop roadmap, leave structure alone
- 1.5: fill out existing structure with new articles
- 1.6: finalize structure and content at ‘mature’ level
- Note how the security group is engaging with maintenance plan

## Part 7 – Brian<sup>2</sup>

- Think about structure and how they can be better integrated
- Taxonomy – nice 2x2 graphic; extensible to n-space
- Case study working group?
- Rethink organization and coverage

# Summary slide

- V1.4: 5 new articles, 15 updates, 20+ minor updates
- 1.5/1.6
  - 8 major content and structure reviews in progress
  - Holistic content maintenance
  - Future of sandbox?

# SEBoK Plans Summary

- Part 1
  - V1.4 Introduction & Use Cases (3 articles)
  - V1.5/1.6 complete Use Cases & Integration review
- Part 2
  - V1.4 System basics (4 Articles)
  - Modelling and Model Based review
    - V1.4 “quick wins”
    - V1.5/V1.6 improve MBSE coverage
  - Systems Approach review
    - V1.4 “quick wins”
    - V1.5/V1.6 improve Systems Approach definition and use
- Part 3
  - V1.4 Architecture & Design (4 Articles)
  - Review consistency and references against key standards (all articles)
    - V1.4 simple changes TBD
    - V1.5/V1.6 larger changes
  - Life Cycle models review
    - V1.4 “quick wins”
    - V1.5/V1.6 improve Life Cycle Models scope and integration
- Part 4
  - V1.4 Product SE (2 Articles)
  - Service SE review
    - V1.4 change to Part 4 Intro & Service Intro (2 Articles)
    - V1.5/V1.6 changes in scope of service
  - Enterprise & SoS review
    - V1.4 “quick wins”
    - V1.5/V1.6 improve ESE KA
    - V1.5/V1.6 SoS across SEBoK
  - V1.5/V1.6 new “Application Tailoring” and Case Study articles
- Part 5
  - V1.4 Education article
  - Review P 5 structure
    - V1.4 “quick wins”
    - V1.5/V1.6 layout and SME inputs
- Part 6
  - V1.4 essential updates (TBC)
  - V1.5/V1.6 expert consensus
- Part 7
  - V1.4 complete planned Case Studies (5 articles)
  - V1.5/V1.6 update Case Study organisation and coverage

# Publishing: Nicole

- Reviewer role; taxonomy and purposes
- Author role; IP!
- Associate editor role;
- Process for new materials; roles and timeliness
- IP: authors certify and transfer copyright to us



# EB Work norms

- When to meet? Where? How? Frequency? – F2F is important; good venues help
- Resurrect part cohorts for work
  - Need leaders
  - Virtual meetings
- Senior editors? GRCSE, Integration, Outreach, Publishing – go slow, but go
- Newsletter? Impact and coordination

# Everything is Awesome!

- Everything is cool when you're part of a team.

## **RISK OF *Awesome* TODAY**



# Publishing timelines

- Staggered deadlines, parallel processing
- ENFORCE deadlines (else they are just hurtlines for the staff)
- Two updates next year, and review for out years
- Keep sandbox; empower editors; keep current rhythm
- Use notifications in Disqus!