Introduction to System Thinking

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SHORT DESCRIPTION

Introduction to System Thinking is a one day course that arms you with powerful system thinking theory and tools you need as a change agent (Scrum Master, Agile Coach etc.)

You will be able to catch the deeper root causes, recognize patterns, and understand the system dynamics in teams and organizations.

Learn to see the systems and structures behind the symptoms!

FORMAT

- Training is conducted by **two trainers**.
- Highly interactive and dynamic course.
- Lost of **practice** (70% exercise, 30% theory), participants working in small teams.
- **Schedule** 9:00 - 18:00, breaks 10-15 min every hour.
- **Lunchtime** 13:00 - 14:00.
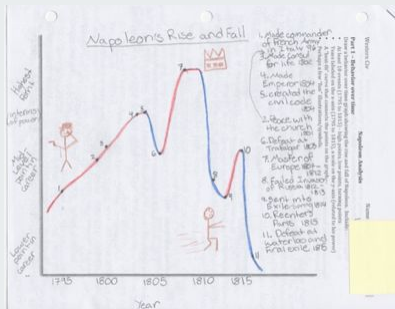
INTRODUCTION TO SYSTEM THINKING

DAY

- Intro.
- System Fundamentals.
- Causal-Loop Diagrams (CLD).
- Local Optimizations.
- Brainstorming Tools.
- From Key System Factors (KSF) to
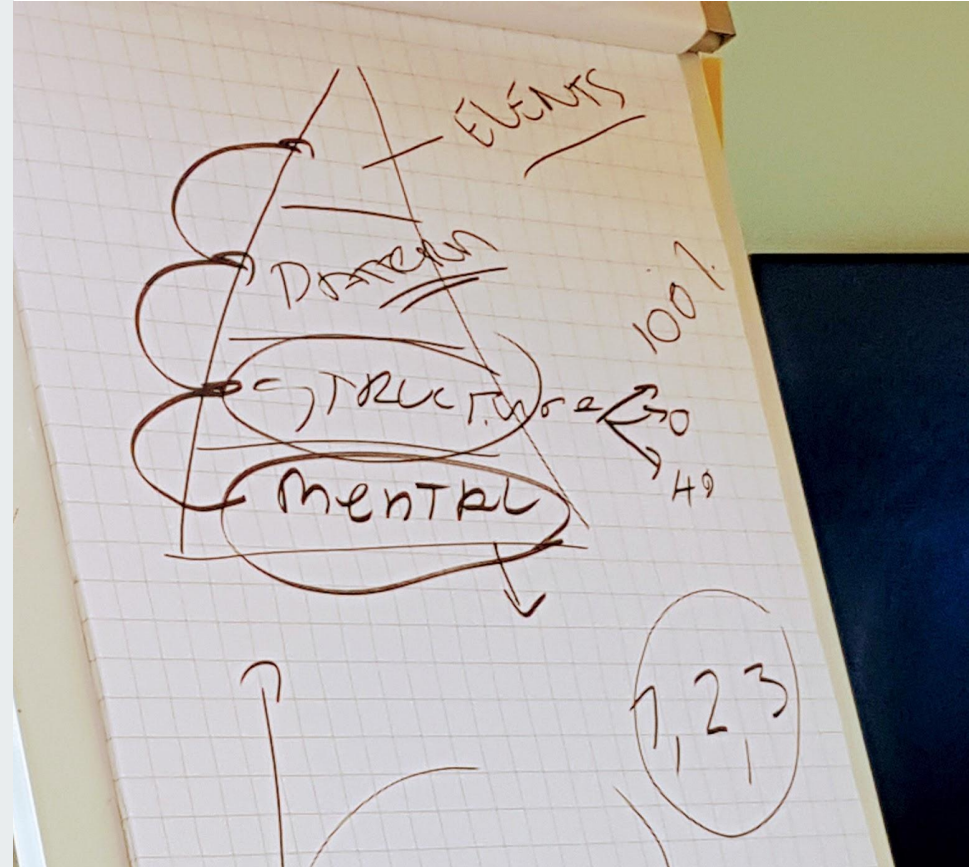 Key System Loops (KSL).
- Close.

INTRO

- Making connections.
- Gathering expectations.
- Playing "Touch Game".
- Building Behavior Over Time Graph (BOTG).

SYSTEM FUNDAMENTALS

- Definitions of a system.
- Complex systems.
- Static and dynamic complexity.
- Thinking fast & slow.
- Thinking mistakes.

CAUSAL-LOOP DIAGRAMS

- Language of CLD.
- "When faster is slower" example.
- Balancing and reinforcing loops.
- Understanding Daily Scrum with CLD.
- Understanding DoD with CLD.
- Basic archetypes.

LOCAL OPTIMIZATIONS

![AgiliX CONSULTING]

- Chair game.
- Why noticing local optimization is important.
- Local optimization in development.
- Local optimization in Product Backlogs.
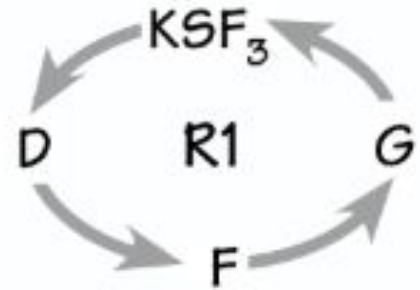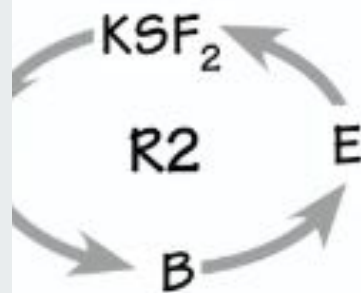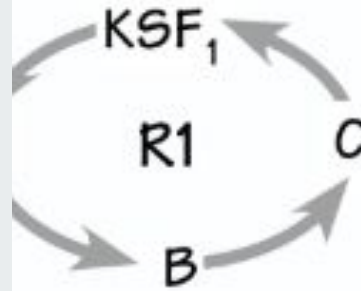- Local optimization in products.

BRAINSTORMING TOOLS

- Fishbone.
- Connecting circle.
- Force-field analysis.
- 5 Why technique.

FROM KSF TO KSL

- Traditional approach to change with Key Success Factors.
- System approach to change with Key System Loops.
- Planning your next change initiative with KSL.

CLOSE

- Closing your expectations.
- What next?
- Recommended literature.
- A group photo.

INSTRUMENTS YOU WILL PRACTICE

- Causal-Loop Diagrams (CLD).
- Behavior Over Time Graph (BOTG).
- Fishbone.
- 5 Whys.
- Connecting circle.
- Force-field analysis.
- Key Success Loops (KSL).

TRAINER ILIA PAVLICHENKO

- **Professional Scrum Trainer** at Scrum.org.
- **Certified LeSS Trainer** and LeSS Coach at less.works
- Founder of Scrum Russia and LeSS Day **conferences**.
- Professional Coach and System Thinker.
- Writing a **book** "Scrum Master in enterprise" with Cesario Ramos.

WHY AGILIX

- We are one of six LeSS Coaching companies in the world.
- We have certified Scrum, LeSS, Kanban, Innovation Games, Scrum Patterns trainers.
- Have have launched the first LeSS-case in Russia and several cases in Netherlands.
- We are international company AgiliX Consulting located in Netherlands and Russia. We bring all our experience to eastern Europe.

OUR CLIENTS

CONNECT WITH US :)

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