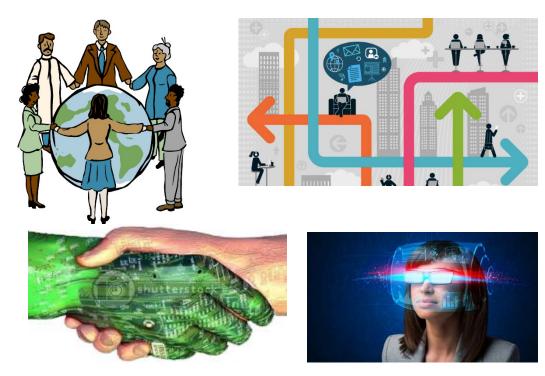
November 16th, 2017 SCWS2017

CONSTRUCTING VISION-DRIVEN INDICATORS TO ENHANCE BETTER INTERACTION OF SCIENCE AND SOCIETY

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OUTLINE

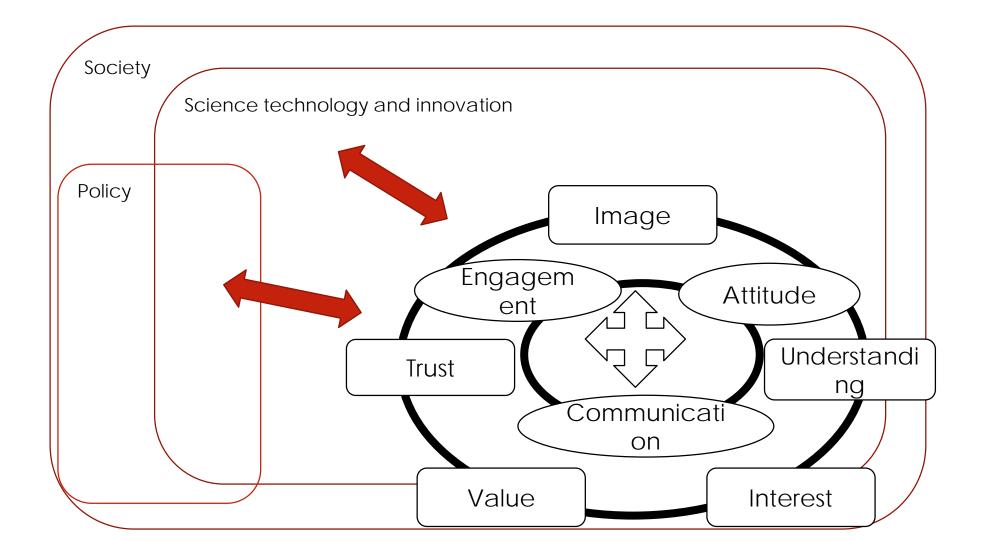
- Background
- Why do we need vision-driven approach?
- What are 'vision-driven' indicators?
- How did we make our proposal?
- Future tasks



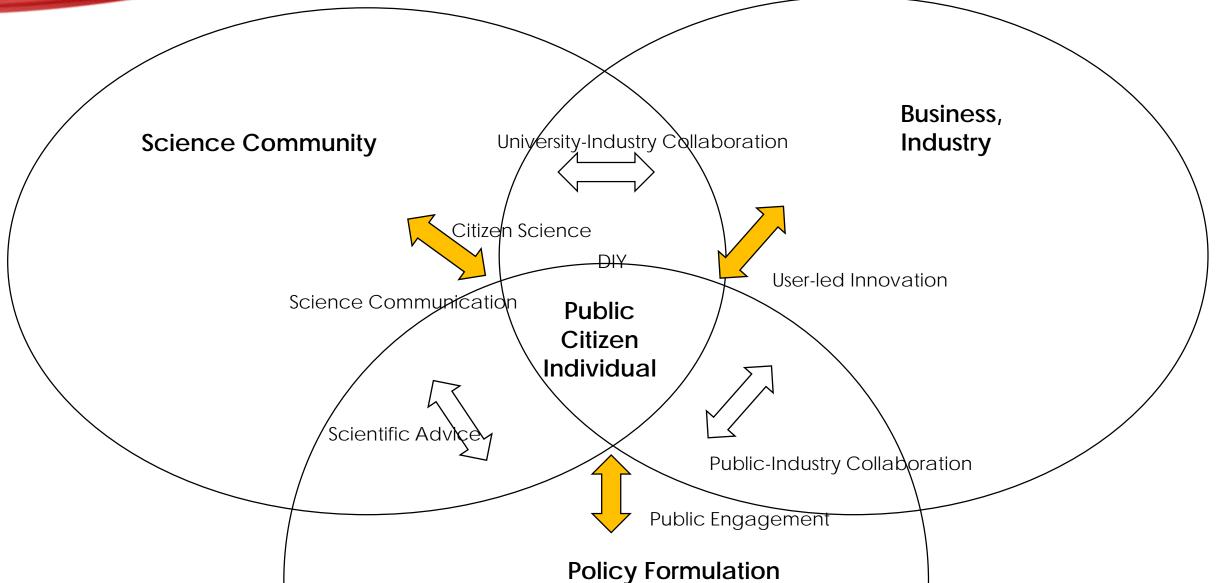
BACKGROUND

- Science, Technology and Innovation (STI) has a great influence on individual decision-making and life course
 - (e.g., acquisition of emerging technologies into daily life, employment, problems associated with trust in science and experts, etc.)
- "Cultural elements" (e.g. values, habits and moral) play a major role in the creation and diffusion of STI
- Considering ongoing transformative STI changes, understanding and measuring "cultural and societal aspects" of STI is very important

ELEMENTS OF PERSONAL ENGAGEMENT WITH SCIENCE



SCIENCE AND SOCIETY INTERACTION



BACKGROUND (CONTD.)

- Not only measuring science activities, we need indicators for 'what science means to us'.
- Relationship between STI and society is multi-layered and cannot be wholly encapsulated in a single index.
- No established framework for what to measure and how to measure.
- Necessary to understand comprehensively the relationship between STI and society from a bird's eye view.

WHY DO WE NEED VISION-DRIVEN APPROACH?

- Purposes of making Indicators
 - Need proactive indicators which make people act for futures; cause behavioral changes; lead to a better life/world;
- Act for futures?
 - What do we feel about science and society link? What do we need for better relationships? How to prepare for transformative STI changes?
- Starting from social visions, then draw
 - what type of targets we need to focus,
 - what kind of actions we need to take,
 - who should act what, and
 - what type of indicators could capture these actions

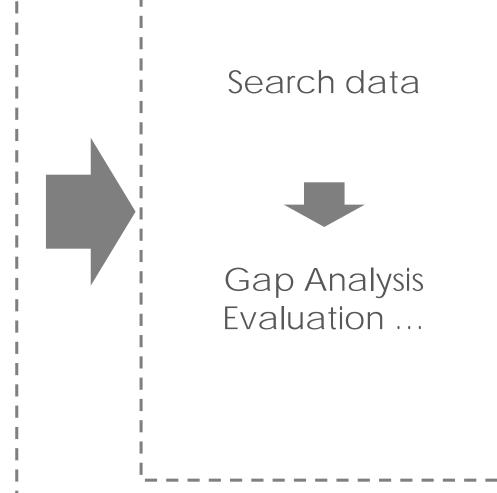
WHAT ARE VISION-DRIVEN INDICATORS?

What's our social vision?

What's an ideal relationship between science and society?

- What targets we need to focus?
- What kind of actions we need to take?
- Who should act what?

What indicators can capture these actions?

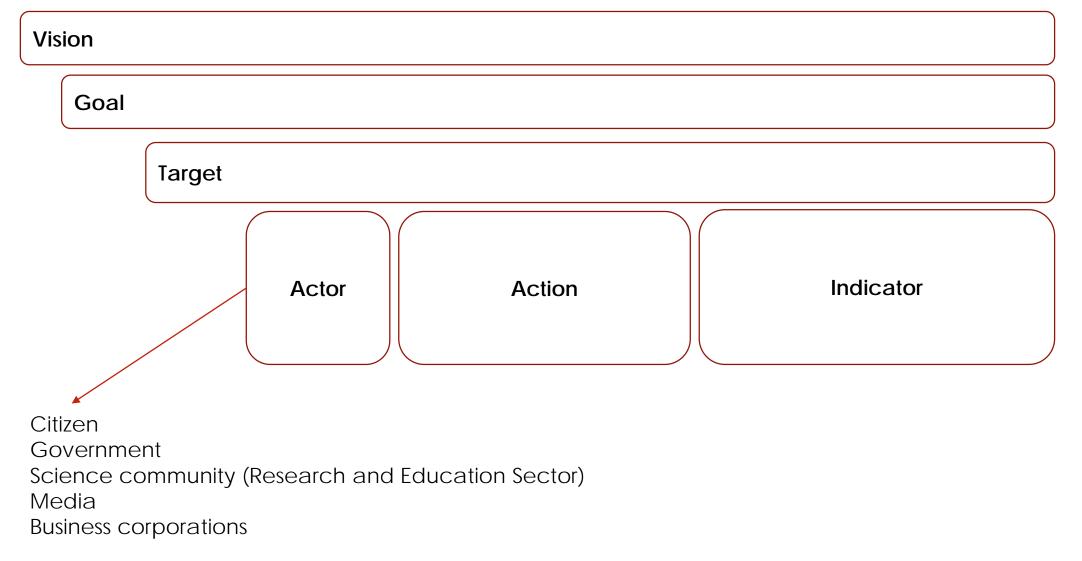


WHAT ARE VISION-DRIVEN INDICATORS?(CONTD.)

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- To understand the diverse aspects of the complex relationship between STI and society
- To have a clear picture of the situation and act accordingly
- To emphasize "the vision from society" perspective
- Quantitative and qualitative indicators

STRUCTURE OF VISION-DRIVEN INDICATORS



INDICATORS FOR WHOM?

- Citizens
- Science communities
- Policy makers, Business

HOW DID WE MAKE OUR PROPOSAL?

NSs	1 st WS (July, 2016)

- 2nd WS (Aug, 2016)
- 3rd WS (Nov, 2016)
- Open Forum (Jan, 2017)
- WS (July, 2017)
- SCWS (Nov, 2017)

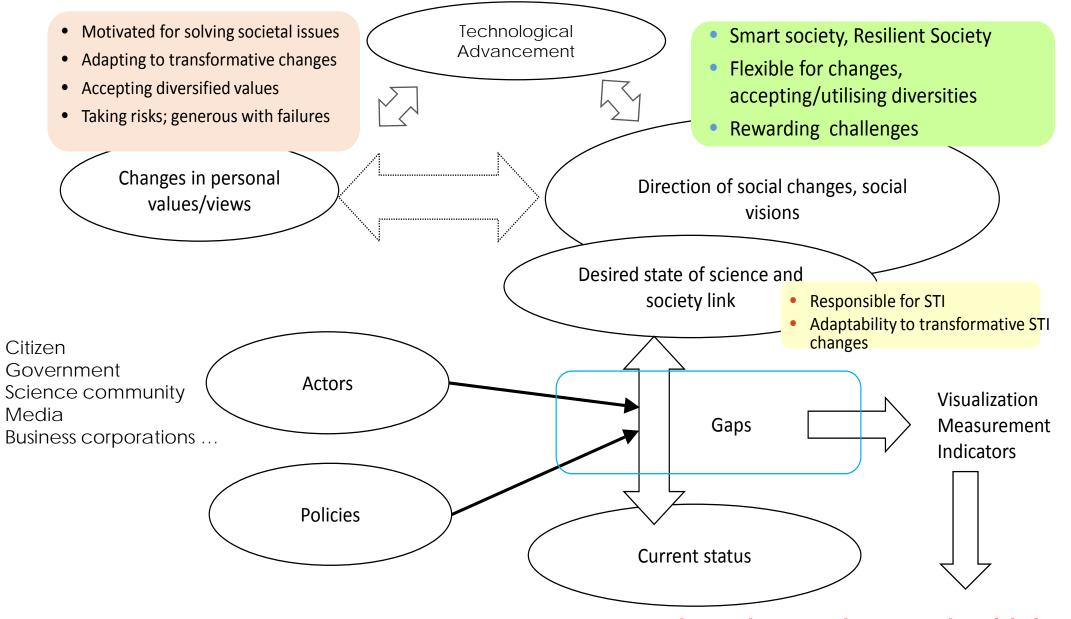
Wrap-up

- Setting 'visions' for a desirable science and society link
- Discussing 'actions' needed to achieve 'visions'
- Brainstorming for 'objectives', 'targets', and 'indicators'
 World café style
- Dialogue with policy makers
- Discussion with a more diverse community
- Discussion with science policy practitioners

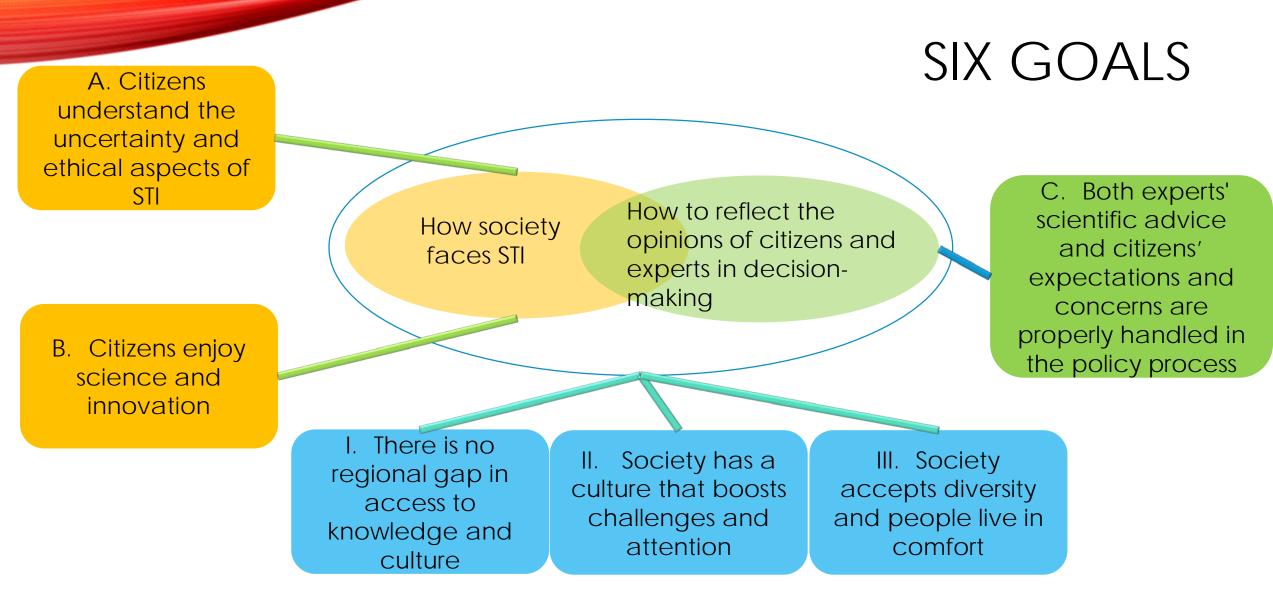


Proposing to policy makers and international organizations



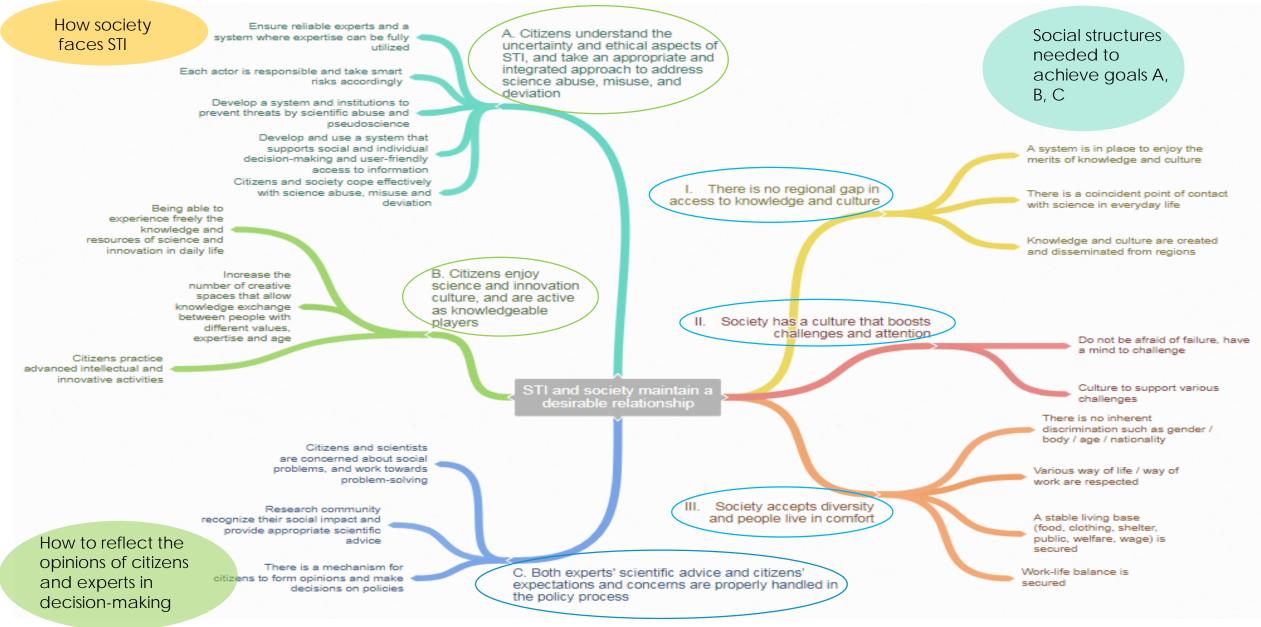


See what each actor should do towards the achievement of social vision!!



Social structures needed to achieve goals A, B, C

GOALS AND TARGETS





FUTURE TASKS

- Communication with more diverse community
- Collaboration in vision-creating; goals- and targets- setting; drawing actions and indicators
- Collecting data and visualization

THANK YOU FOR YOUR ATTENTION

PLEASE SEND COMMENTS & FEED BACKS TO:

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