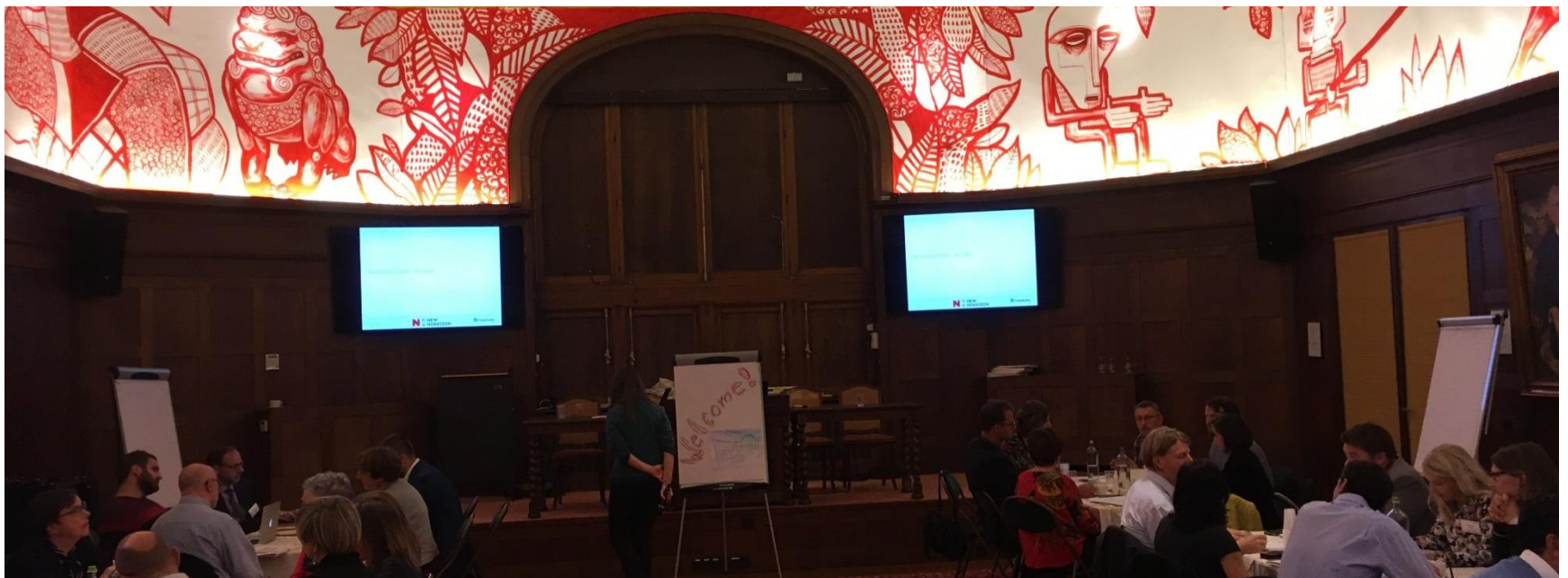


NEWHORIZON VISIONING CONFERENCE BRUSSELS, 05/06.10.2017 DOCUMENTATION

Philine Warnke, Andreas Röb



ENVISIONING TODAY

Philine Warnke, Andreas RöB Fraunhofer ISI Foresight Team
NewHoRRizon Visioning Conference Brussels, 05/06.10.2017



Drawing: Heyko Stöber

A Vision

A clear and
inspiring
description of a
group's preferred
future

Agenda

Day I October 5th 11.00-18.00

11.00-12.00 Preparing the ground

- Welcome, Background, Erich Griessler IHS
- Introductory Round

12.00-13.00 Lunch

13.00-14.45 Getting started

- Introduction Visioning Approach
- Creativity exercise
- Review of Vision Aspects
- Creativity exercise

14.45 – ca. 17.15 Interactive Vision Synthesis

- Step by step synthesis of shared elements for RRI vision (Break included)

ca. 17.15-18.00 Vision Gallery

18.00 Buffet Dinner

Day II October 6th 9.00-16.00

9.00-9.30 Feedback and Outlook

9.30-13.00 Vision Finalisation

- Vision review
- News from our future

Coffee Break

- Vision Gallery
- Final Vision Synthesis

13.00-14.00 Lunch

14.00-15.30 Vision Fleshing Out

15.30-16.00 Feedback Round & Way Forward for NewHoRRizon

ABSTRACT

NH is about mainstreaming Responsible Research and Innovation (RRI) through analysing current uptake, experimenting with potential future measures and making evidence based policy recommendations for EC research funding and beyond.

BACKGROUND

Responsible research and innovation actions are promoted via 'Science with and for Society' objective via: thematic elements (public engagement, open access, gender, ethics, science education), and via integrated actions that for example promote institutional change, to foster the uptake of the RRI approach by stakeholders and institutions. RRI is furthermore a 'cross-cutting issue' in Horizon 2020, which will be promoted throughout Horizon 2020 objectives.

SOCIAL LABS

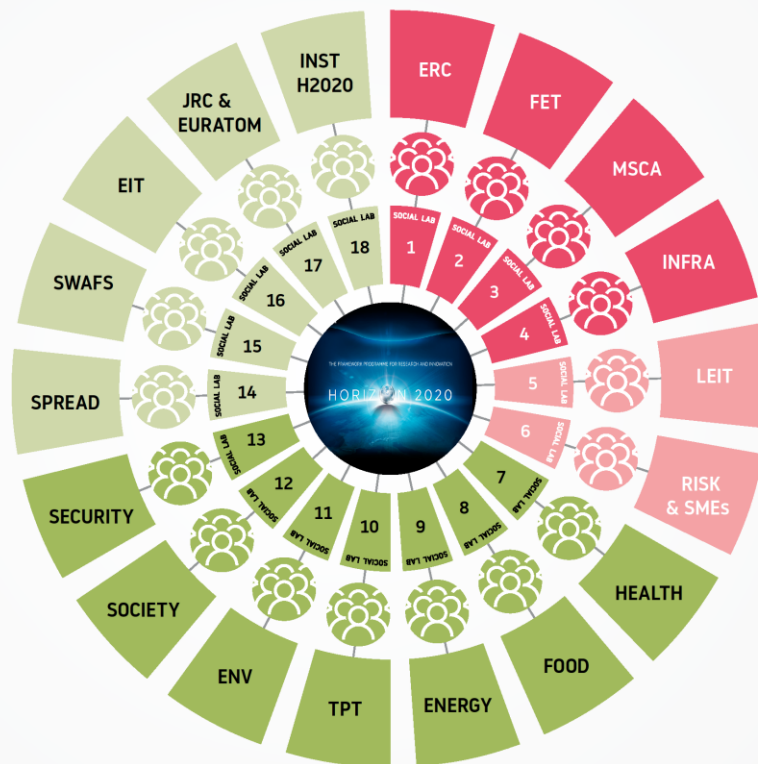
NH is creating 18 social labs to observe, intervene, experiment and analyse RRI uptake in Horizon 2020 as well as measures that will assist mainstream RRI in FP9 and beyond. Social Labs focus on a RRI social challenge in a specific program line of H2020, create a core group of stakeholders who work together over time, inviting also other stakeholders, to experiment with and analyse the impact of interventions to come up with evidence based policy proposals.

ETHICS

Ethics is one of the key thematic elements of RRI as well as one of the "keys" used by NewHorizon to assess RRI uptake. Ethics in research is broadly understood, therefore some theoretical limitations and/or a unified understanding of how ethics may/should play a role in RRI is needed. New Horizon will make use of SATORI findings in this regards as well as utilize the CWA as well as the stakeholder inclusive process behind SATORI.

PROJECT COORDINATION

Dr. Erich Griessler egriessler@ihs.ac.at



SOCIAL LAB 1

European Research Council

SOCIAL LAB 2

Future and Emerging Technologies

SOCIAL LAB 3

Marie Skłodowska Curie Actions

SOCIAL LAB 4

Research Infrastructures, including e-Infrastructures

INDUSTRIAL LEADERSHIP

SOCIAL LAB 5

Leadership in Enabling Industrial Technologies

SOCIAL LAB 6

Access to Risk Finance & Innovation in SMEs

SOCIETAL CHALLENGES

SOCIAL LAB 7

Health, Demographic Change and Wellbeing

SOCIAL LAB 8

Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and Bioeconomy

SOCIAL LAB 9

Secure, Clean and Efficient Energy

SOCIAL LAB 10

Smart, Green and Integrated Transport

SOCIAL LAB 11

Climate Action, Environment, Resource Efficiency and Raw Materials

SOCIAL LAB 12

Europe in a changing world - Inclusive, innovative and reflective societies

SOCIAL LAB 13

Secure societies - Protecting freedom and security of Europe and its citizens

DIVERSITY OF APPROACHES

SOCIAL LAB 14

Spreading Excellence and Widening Participation

SOCIAL LAB 15

Science with and for Society

SOCIAL LAB 16

European Institute of Innovation and Technology

SOCIAL LAB 17

Non-Nuclear direct actions of the JRC and ERATUM

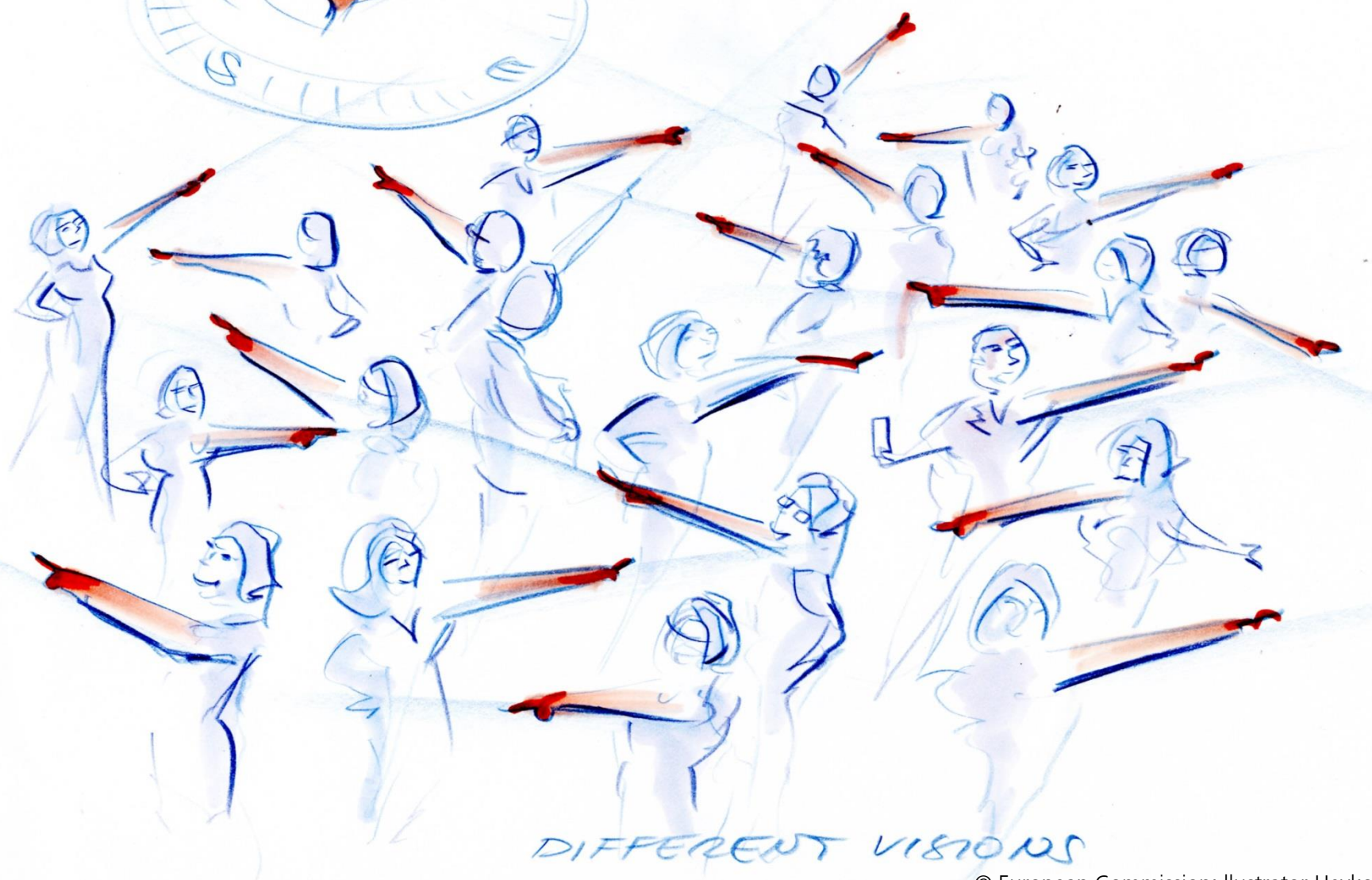
SOCIAL LAB 18

Instruments of H2020



INTRODUCTORY ROUND

where is NORTH?



DIFFERENT VISIONS

Foresight: Structured Futures Dialogue ...

Visioning

Where do we want to go?

What are our values?

How to get there?

Roadmapping

Where are we now?

What moves us?

SWOT

What means do we have?

Delphi Survey

What do people expect?

Scenario Building

What may happen?

What are our possibilities and choices?
Threats and opportunities?

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A Vision its Purpose and Characteristics

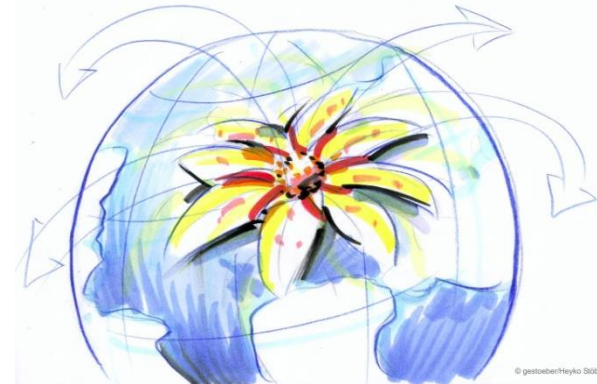
- a compelling image of the preferred future that sets out a group's highest aspirations
 - a picture of one's values translated into the future and made real
 - a clear and inspiring description of a preferred future
 - an image of the future we are committed to creating
 - Future of the heart

A vision **serves as** an inspirational force pulling the present forward to the preferred future. It motivates and aligns efforts and guides day to day decision making.

It is bold and stretches beyond the limits of current realities but at the same time conceivable



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The NewHoRRizon Visioning

Generate a vision of a future R&I Support Framework that encourages, cultivates and drives responsible practices on all levels of the European R&I landscape in order to generate...

- **guidance for** the social labs working with specific domains of the framework programme within **NewHoRRizon**
- momentum for RRI in **the *European* R&I Landscape**
- inspiration and food for thought **For Us**

Ground Rules for a Visioning Conversation

- Think way out there - be bold, ambitious, open and creative
- Build on personal values, hopes and dreams
- A vision's value rises with the number of shared elements it reflects
 - Focus on discovering shared elements, listen actively, strive to understand and value other peoples' ideas and meanings (Yes, and ...)
 - Unsolved issues are not discarded but recognized and "put aside"
 - Engage
- Share the time
- Others ?

A Vision of a future R&I Support Framework

Possible Aspects ...

Value reflection

R&I content

Communication

Participation

Diversity

Embedding in wider context

Collaboration Culture

Capacity for dialogue

Gender

Societal benefit (sustainability)

Organisational Structures / Integrated Change Structures

Constructive Tensions

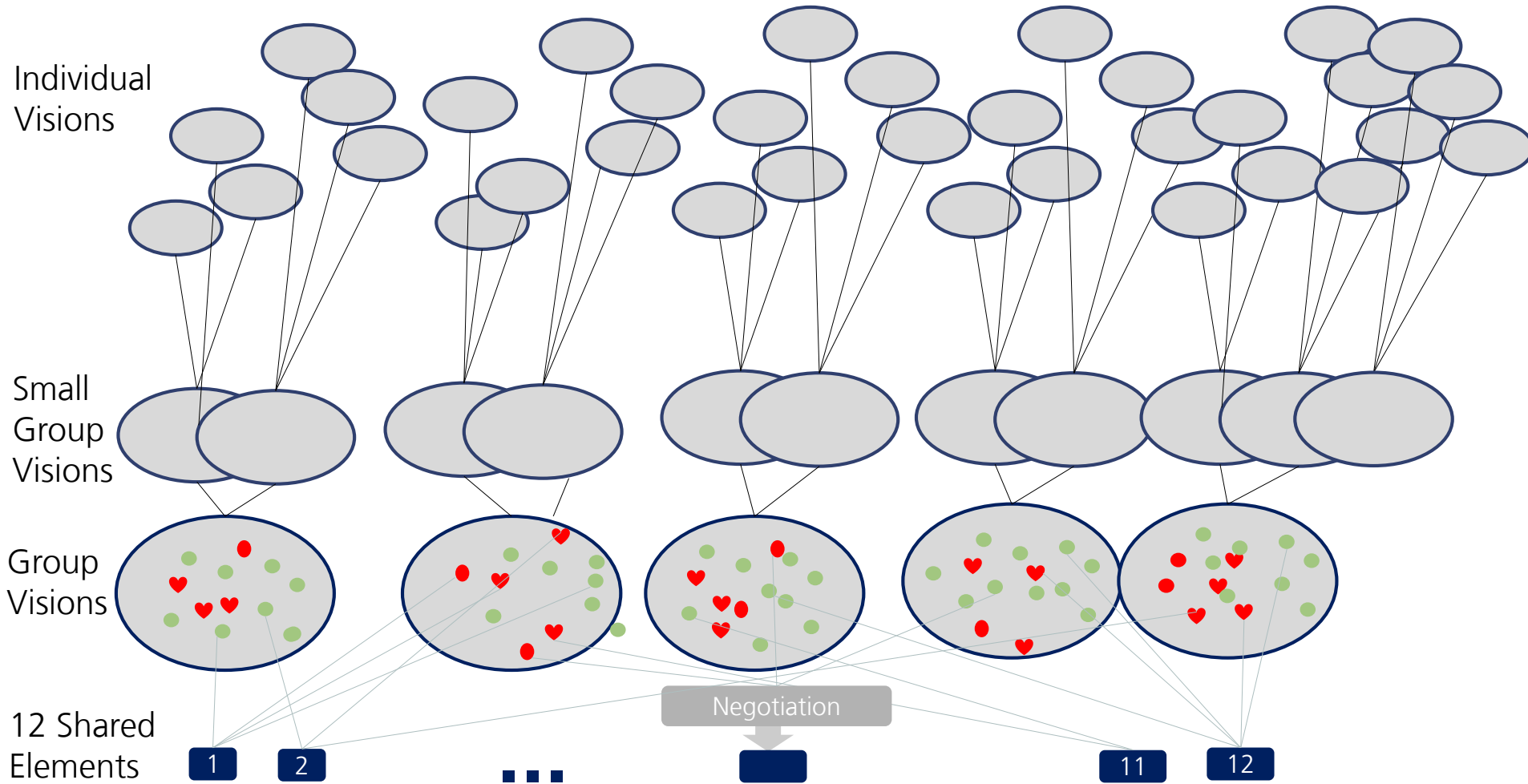
Access to R&I Outcomes

Geographical Scope

Governance / Decision Making (who/how)

Instruments

Vision Synthesis – Process Scheme



Group-Vision (1/5)

- No one-size-fits-all R&I (12 GP/1H)
 - respecting differences (2GP/1H)
 - domains
 - disciplines (2H)
- Learning: Evolving with changing context (3H/5GP)
- Own resources:
 - Instruments & Budget for R&I (4H/3GP/1RP)
- Reducing the pressure on performance (5H/2G/6RP)
 - „Slow science innovation indicator“ (1H/5GP)
 - Quality of life indicator (4H/4GP)
 - Impact beyond GDP (2H/6GP)
- Rewarding quality & social relevance (3H/7GP)
 - Change gatekeepers (2GP)



xyz

Heart (H) – This should definitely be in the shared vision



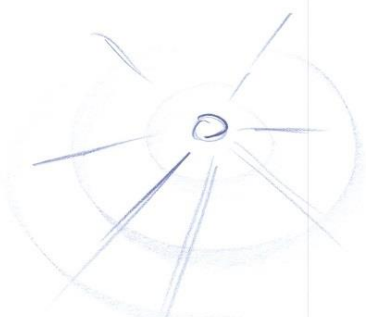
Red Point (RP) – I am skeptical



Green Point (GP) – no objection

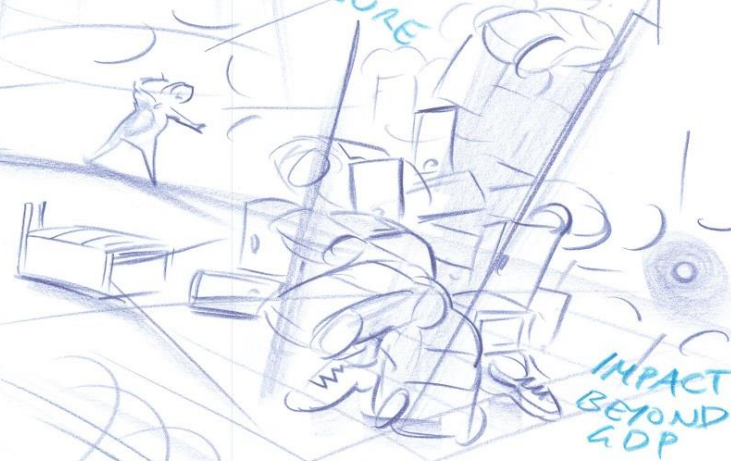
I suggest this change so I can accept this in the vision

NO ONE-SIZE-FITS-ALL



REDUCING PRESSURE

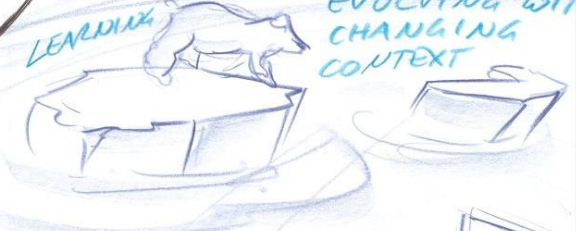
GDP



IMPACT BEYOND GDP

LEARNING

EVOLVING WITH CHANGING CONTEXT



RESPECTING DIFFERENCES



OWN RESOURCES



SLOW SCIENCE INDICATOR

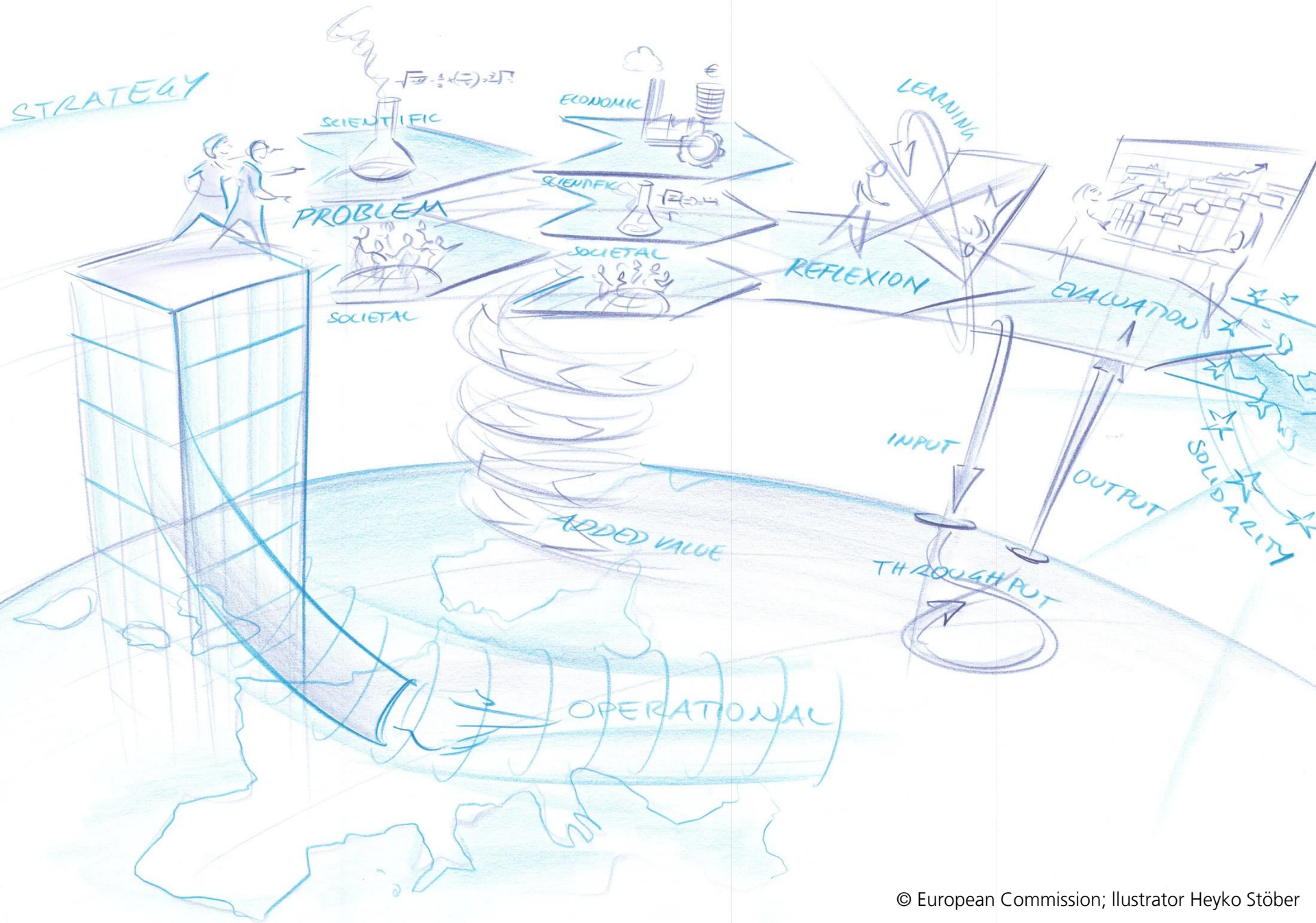


QUALITY OF LIFE

RESPECTING DIFFERENCES ...

Group-Vision (2/5)

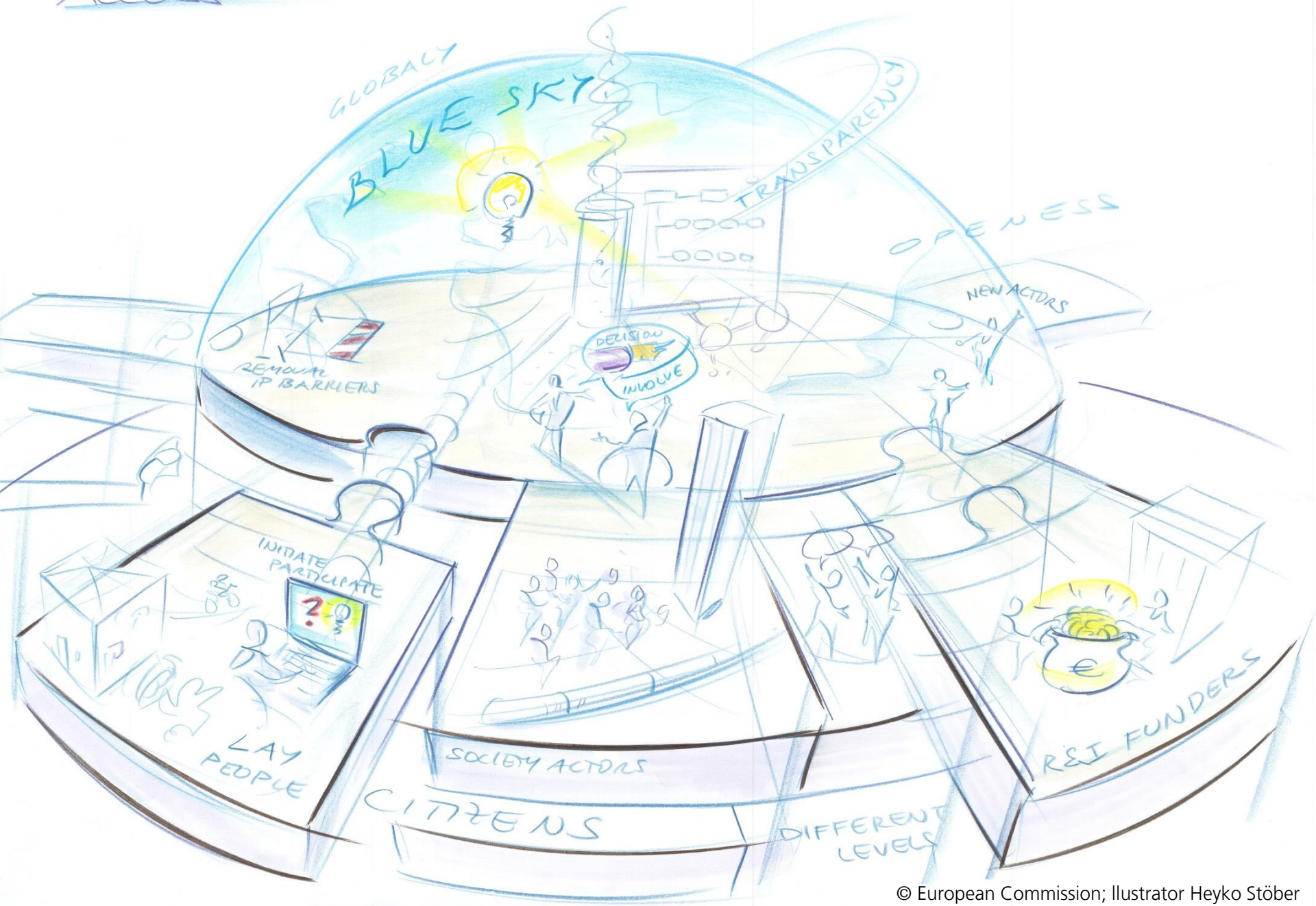
- Strategic Level *Comment: Plurality of benefits (scientific, economic, cultural, financial)*
 - Problem: Scientific or societal (2GP/1H)
 - Added value: Economic, scientific or societal (1H/9GP)
 - Reflexion: learning (5H/5GP)
 - Participation on all levels:
Input (agenda-setting (3GP)), throughput, output (evaluation of project results)
 - Solidarity (3H/10GP): Serving EU (1H/1RP) as political (1H) /social (2H/7GP) community
 - *Comment: Why restrict R&I to EU? We ignore a planet*
 - *Comment: R&I is a political project -> e.g. democratization but of what kind: radical? communal?*
- Operational level:
 - Differentiate (Basic research,....., Industry) (3H/4GP)
 - Minimum: 6 keys (6RP)
 - Maximum: See Blue Sheet for example)
 - *Comment: Connecting the visioning with practice is essential*



Group-Vision (3/5)

- Lay (2H)/citizen (2RP) access, participation and decision making (1H/3RP) globally with a mutual benefit (1RP) (3H/6GP)
 - *Comment: Access to decision making, research agenda setting is problematic*
- Flexible accessible infrastructures, resources, knowledge, co-creation, innovation, (transparency/openness e.g. IP-issues, access to lab,...) (2H/7GP)
- Distinguish between participation levels in allowing diversity of roles and methods, and ways of resolving conflicts (9H/7GP)
- Anticipation and internalisation of all externalities (pos+neg.) into the responsible innovation process) (4H/10GP)
- Reflective (1H) research/blue sky, embracing failures (1H), embracing unlearning (5GP) (6H/7GP)

ACCESS



Group-Vision (4/5)

Comment: Tuning tensions (multidimensional), balancing, reversing inequalities)

- Radical R&I Manifesto for the planet

Comment: Too romantic -> get pragmatic Comment: People!

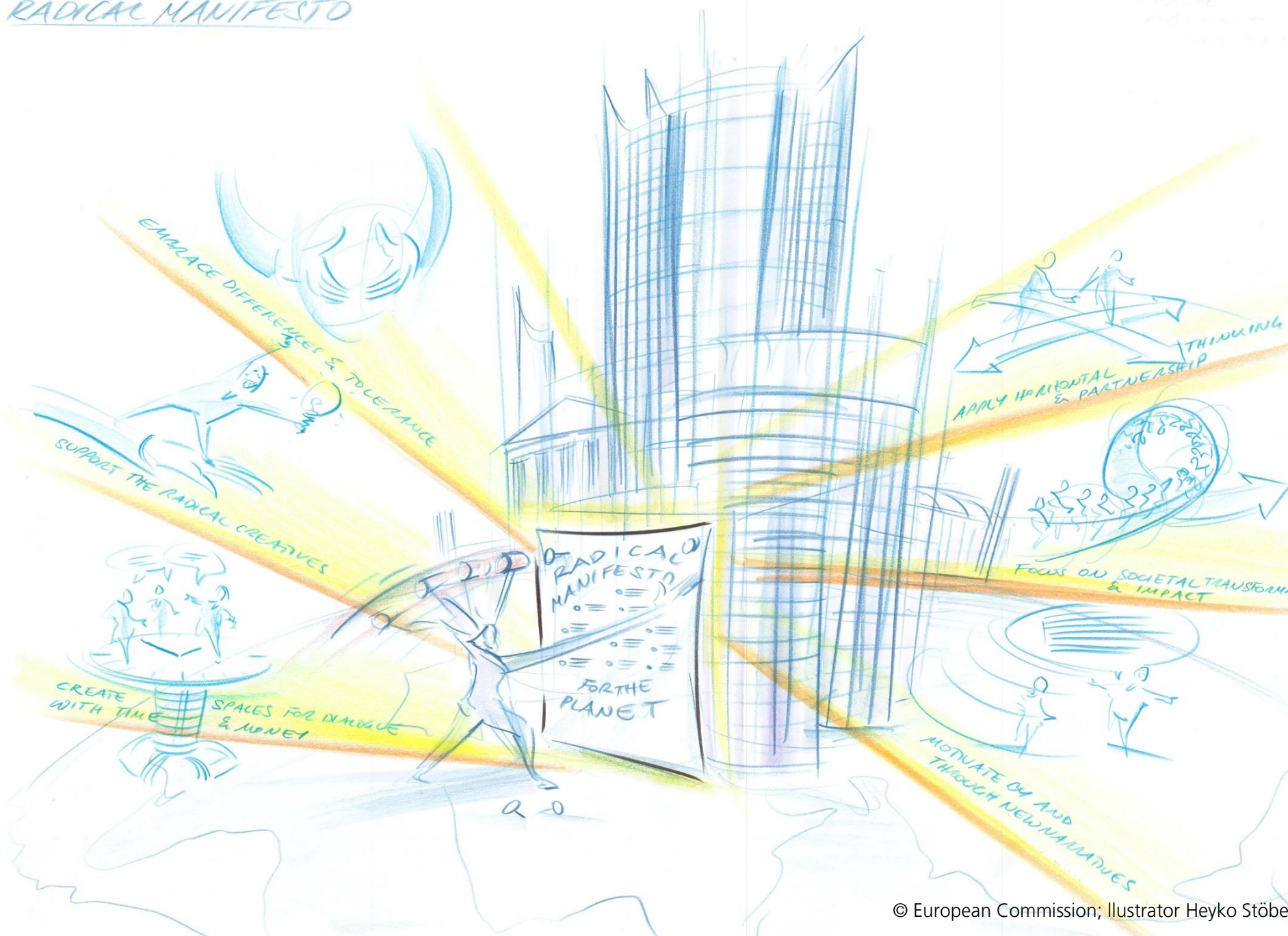
- Create spaces for dialogue with time/money (7H/18GP)
- Support for the radical creatives (9H/10GP/1RP)
- Embrace differences & tolerance (2H/12GP)
- Apply horizontal thinking & partnership (4H/6GP/1RP)

Comment: and science? (Which, whose?)

- Focus on societal transformation & impact (4H/8GP)
 - Motivate by and through new narratives (1h/6GP)
- Walk the talk (5H/5GP)

RADICAL MANIFESTO

1000
1000
1000



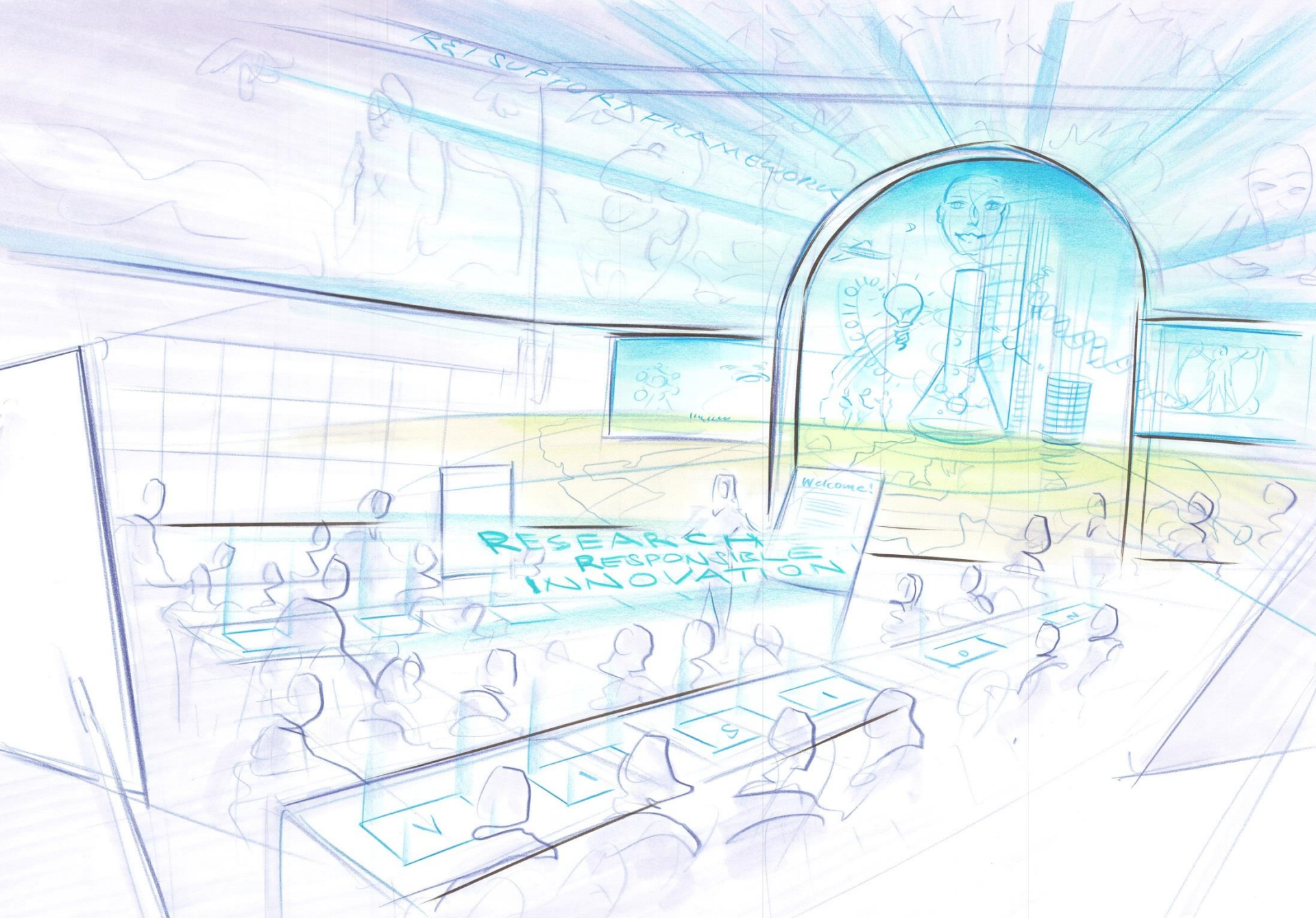
Group Vision (5/5) (I)

- Guiding Vision (1H/5GP/1RP): A future support framework for research & innovation embeds societal and ethical (1H) values
- Mechanism: This framework has to recognize that there are different levels and types of science and participation in line with democratic standards (9H/10GP)
 - Capacity building: Education & Training for all (8H/7GP)
 - good, early, broad, affordable, honest, reflective, forward looking -> promoting constructive deliberation & respect for difference
 - Infrastructure for exchange between stakeholders
 - FORA
 - Spaces for productive exchange
 - sand pits of other interactions)
 - Point of contact
 - routes for citizens & scientists
 - „citizens advice for KPI“
 - citizens who want to get engaged
 - scientists who want to involve citizens/RRR

Comment: Barriers to access (rather than full inclusiveness),
Connectedness

Group Vision (5/5) (II)

- Transforming performance criteria & practice (13H/11GP)
 - Organizational & cultural change
 - 20% time for participants in public duties/societal duties e.g. public engagement, public citizen science etc.
 - Accountability
 - Funders for RTI they fund & protection of fundamental science
 - Citizens for what they are involved in/democratic decisions
 - RTI for incorporation of RRI
 - Evaluation of RRI embedding/benchmarking
 - Change journal practices: free open access



RESEARCH SUPPORT FRAMEWORKS

RESEARCH RESPONSIBLE INNOVATION

Welcome!

NewHorizon VISIONING CONFERENCE
OCTOBER 5th & 6th, 2017 / BRUXELLES

Assessed Group Visions

N3 NEW HORIZON

- * Lay / Citizen access, participation and decision-making globally with a mutual benefit
- * Flexible accessible infrastructure resources, knowledge co-creation innovation (transparency openness eg. IP issues, access to lab, ...)
- * Distinguish between participation levels in allowing diversity of roles and methods, and ways of resolving conflicts
- * Anticipation and internalisation of all externalities (pos+neg) into the Responsible Innovation process
- * Reflective embracing failures + embracing unlearning

RADICAL RRI MANIFESTO FOR THE PLANET

- CREATE SPACES FOR DIALOGUE WITH TIME & MONEY
- SUPPORT THE RADICAL CREATIVES
- EMBRACE DIFFERENCES & TOLERANCE
- APPLY HORIZONTAL THINKING & PARTNERSHIP
- FOCUS ON SOCIETAL TRANSFORMATION & IMPACT
- MOTIVATE BY AND THROUGH NEW NARRATIVES

People!

Methodology:

VALUE (Goal Process)

- problem
- Added value
- REFLEXION./ LEARNING (AGENDA-SETTING)
- participation (input-throughput-output) (evaluation of project results)
- Solidarity (Serving EU as Political & Social Community)

Operational:

- DIFFERENTIATE (Basic RESEARCH, ... INDUSTRY)
- MINIMUM → 6 keys
- MAXIMUM → SEE BLUE SHEET FOR EXAMPLE.

GUIDING VISION

A future RRI support framework for research & innovation embeds societal and ethical values.

MECHANISMS

This framework has to recognize that there are different levels and types of science and participation in line with democratic standards.

- Capacity building
- EDUCATION & TRAINING
- Infrastructure for exchange between stakeholders
- FORA
- POINT OF CONTACT
- Transforming performance criteria & practice
- ORGANISATIONAL / CHANGE & CULTURAL

No one-size-fits-all RRI respecting differences

NO ONE-SIZE-FITS-ALL

Reducing the pressure on performance → "slow science indicator" innovation Quality of life indicator Impact beyond GDP

a rewarding Quality of life indicator & societal relevance

change gatekeepers

● Green light – no objection

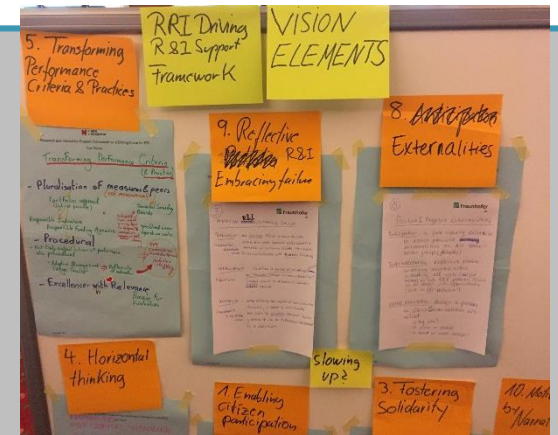
❤ This should definitely be in the shared vision

xyz I suggest this change so I can accept this in the vision

● I am skeptical

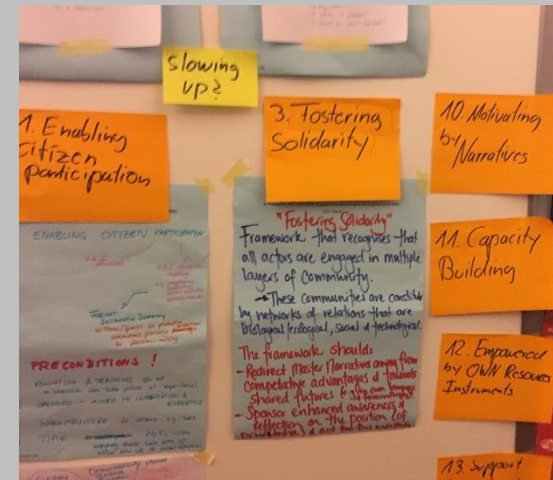
Our 12 Final Elements of a **future Responsible Support Framework (I):**

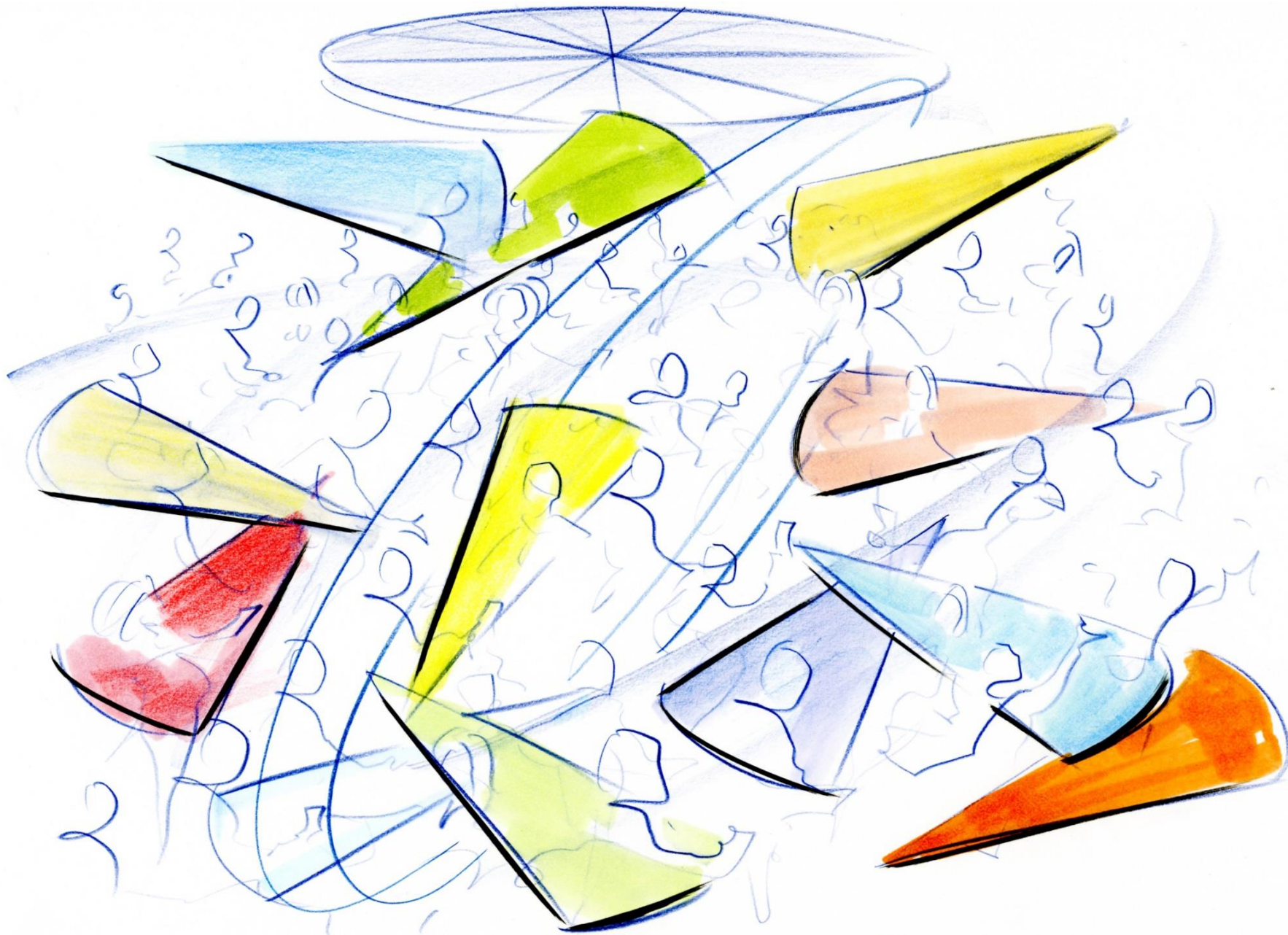
- (1) Enabling citizen participation
- (2) Focus on societal impact
- (3) Fostering solidarity
- (4) Responsible horizontal thinking
- (5) Establishing responsible performance criteria (& practices)
- (6) Reflexive & learning



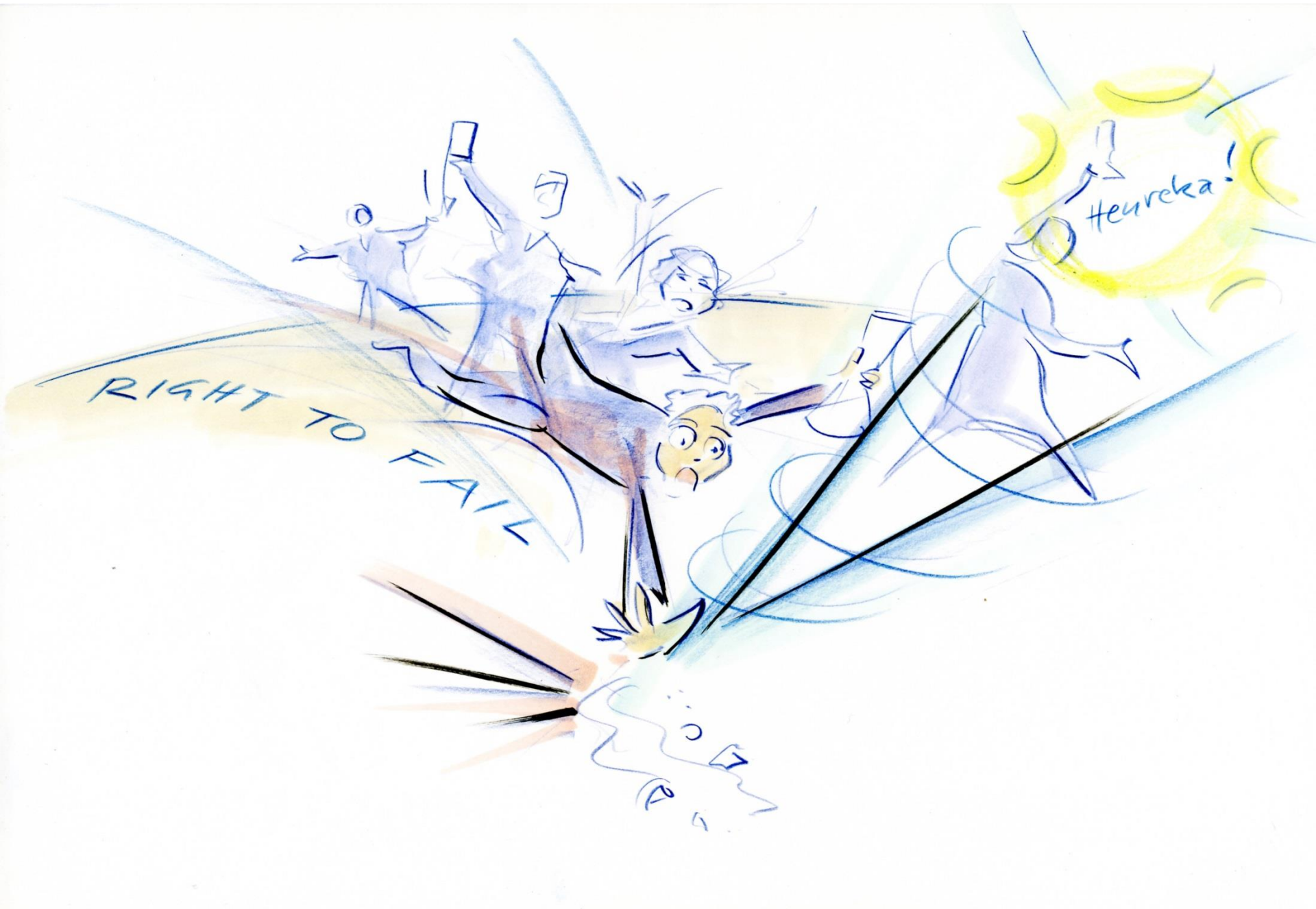
Our 12 Final Elements of a **future Responsible Support Framework (II):**

- (7) Respecting & embracing differences
- (8) Recognising Externalities (positive & negative)
- (9) Pursuing Reflective R&I / Embracing failure
- (10) Motivating by narratives
- (11) Dedicated to profound capacity building
- (12) Empowered by RRI specific resources and instruments





DIVERSITY

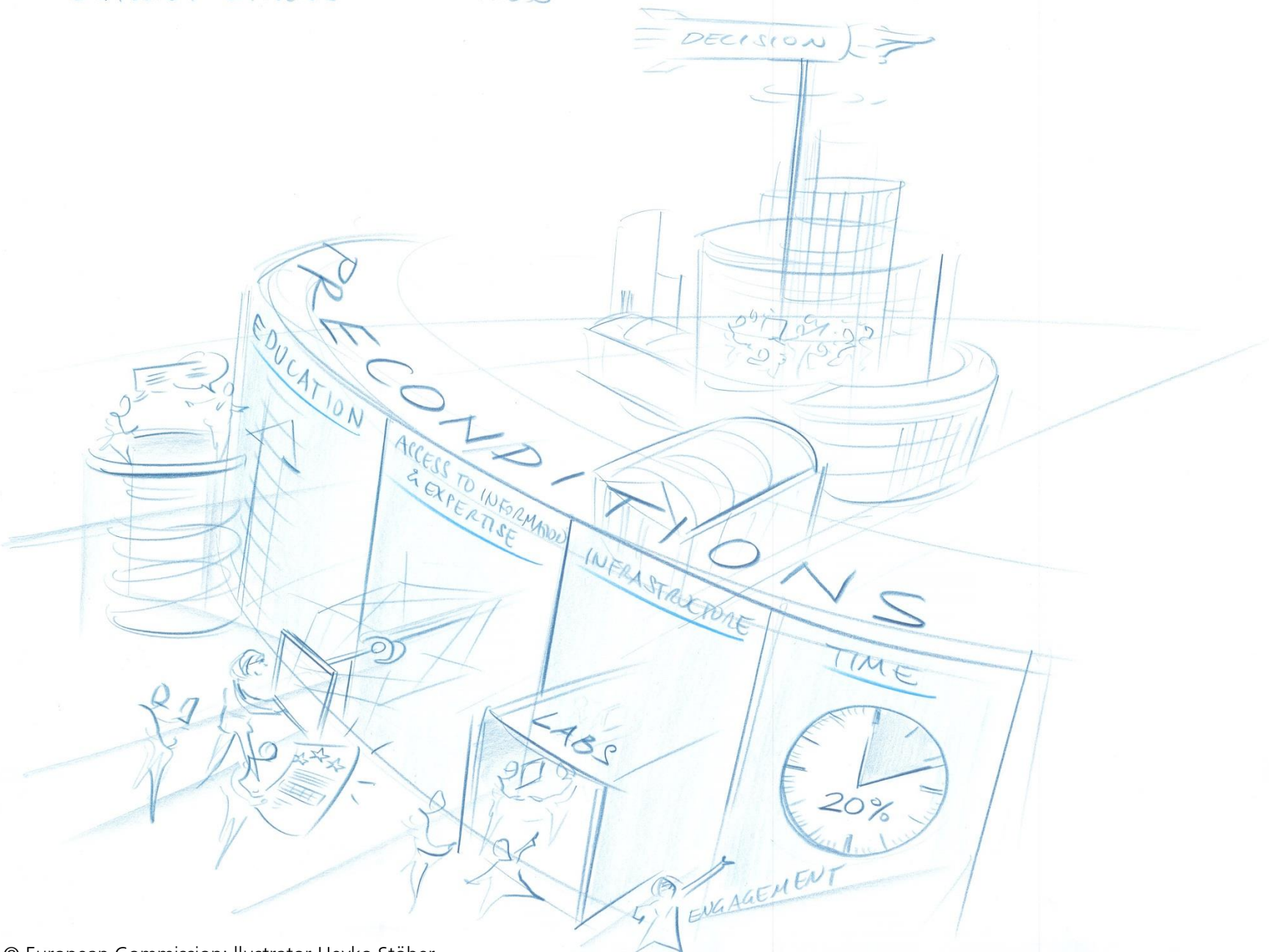


Further specification on some Vision Elements of a **future Responsible Support Framework**:

(1) Enabling citizen participation:

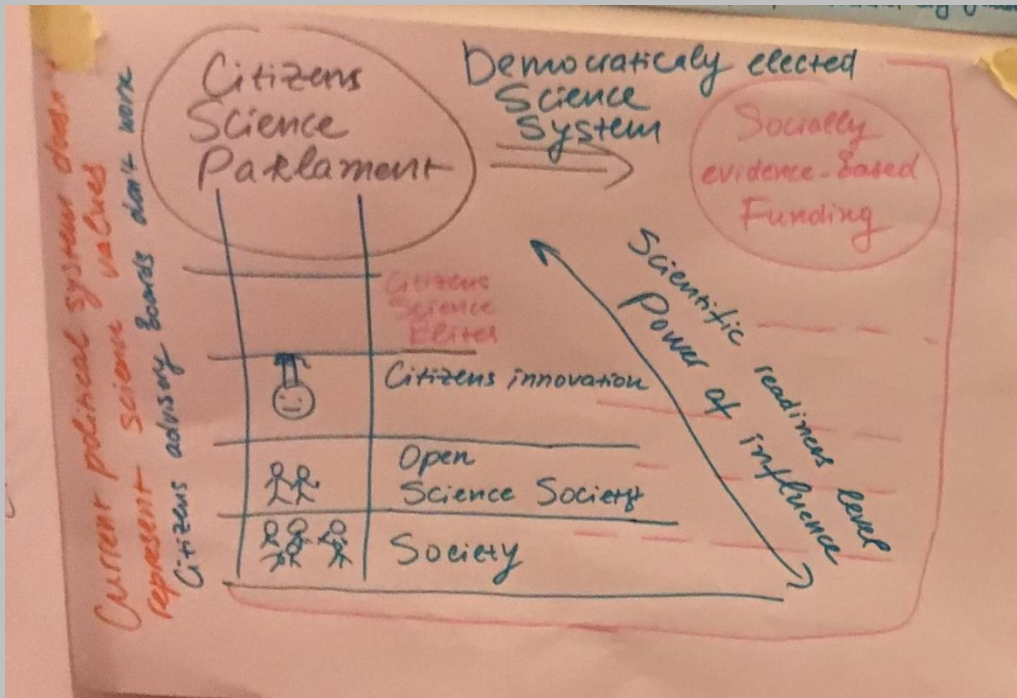
- R&I processes
- R&I decision making (e. g. programme, committees, project evaluation, advising boards)
- Form: deliberative democracy
 - Fora: Spaces for productive interactions providing directions for decision-making
- Preconditions:
 - Education & Training for all in order to get interaction at eye-level
 - Openness – access to information & expertise
 - Infrastructure for citizens, e. g. laboratories
 - Time: 20% idea – everybody should have 20% of his/her time off for societal engagement

"ENABLING CITIZENS PARTICIPATION"



Further specification on some Vision Elements of a **future Responsible Support Framework**:

(1) Enabling citizen participation:



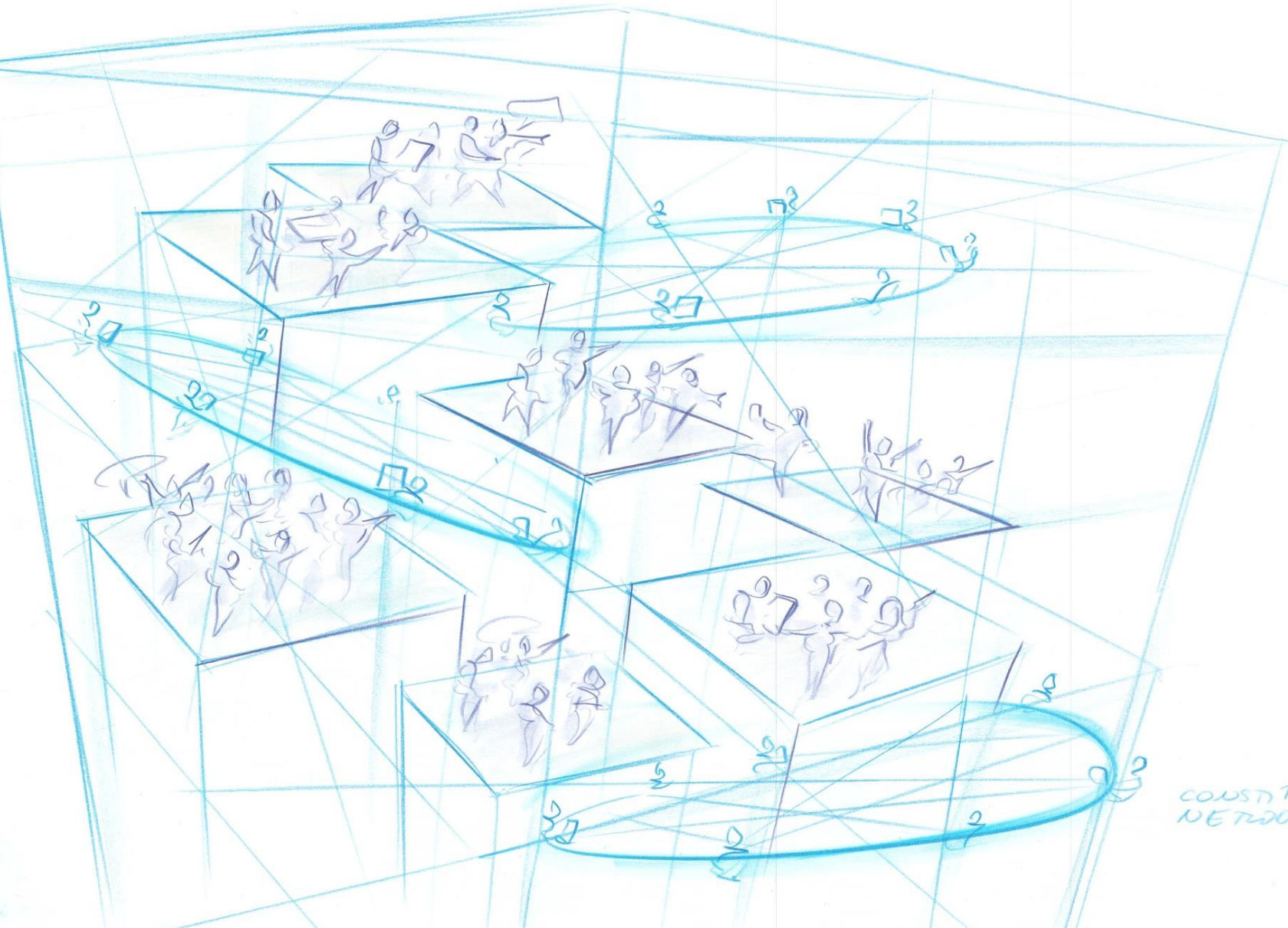
Further specification on some Vision Elements of a **future Responsible Support Framework**:

(3) **Fostering solidarity:**

- Framework that recognizes that all actors are engaged in multiple layers of communities
 - these communities are constituted by networks of relations that are biological/ecological, social and technological
- The framework should_
 - redirect master narratives away from competitive advantages and towards shared futures (e. g. in own language and terminology)
 - sponsor enhanced awareness and reflection on the position (of privilege) and act from this understanding

SOLIDARITY

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CONSTITUTE BY NETWORKS

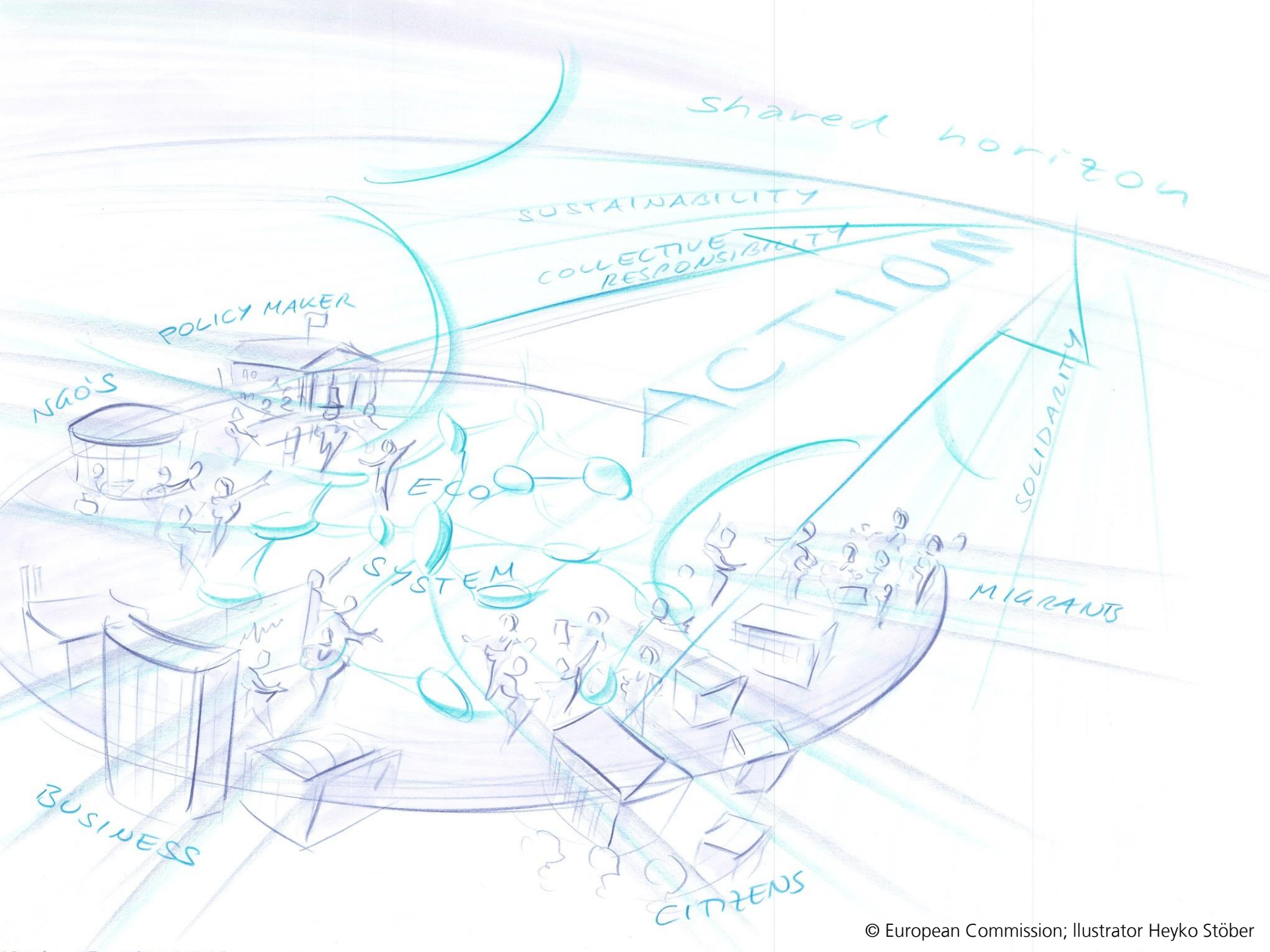
ALL ACTORS ARE ENGAGED IN MULTIPLE LAYERS OF COMMUNITY

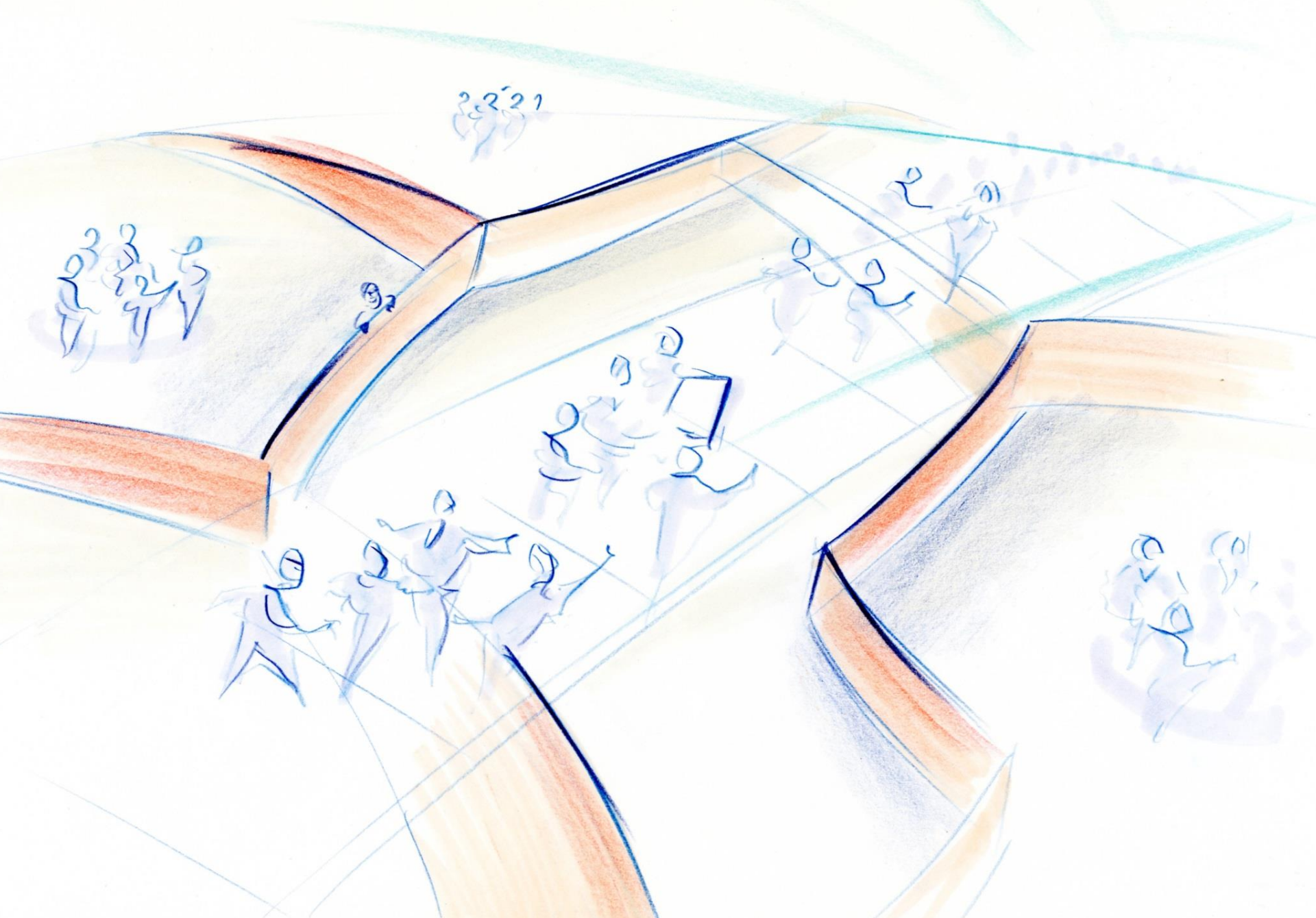
Further specification on some Vision Elements of a **future Responsible Support Framework**:

(4) Responsible horizontal thinking

➤ Principles:

- Listen to others
- Have a fair dialogue
- Apply systems thinking multi-perspective approach
- Move from complicated to complex problems
- Support authentic thinking
- Develop purpose-driven shared visions



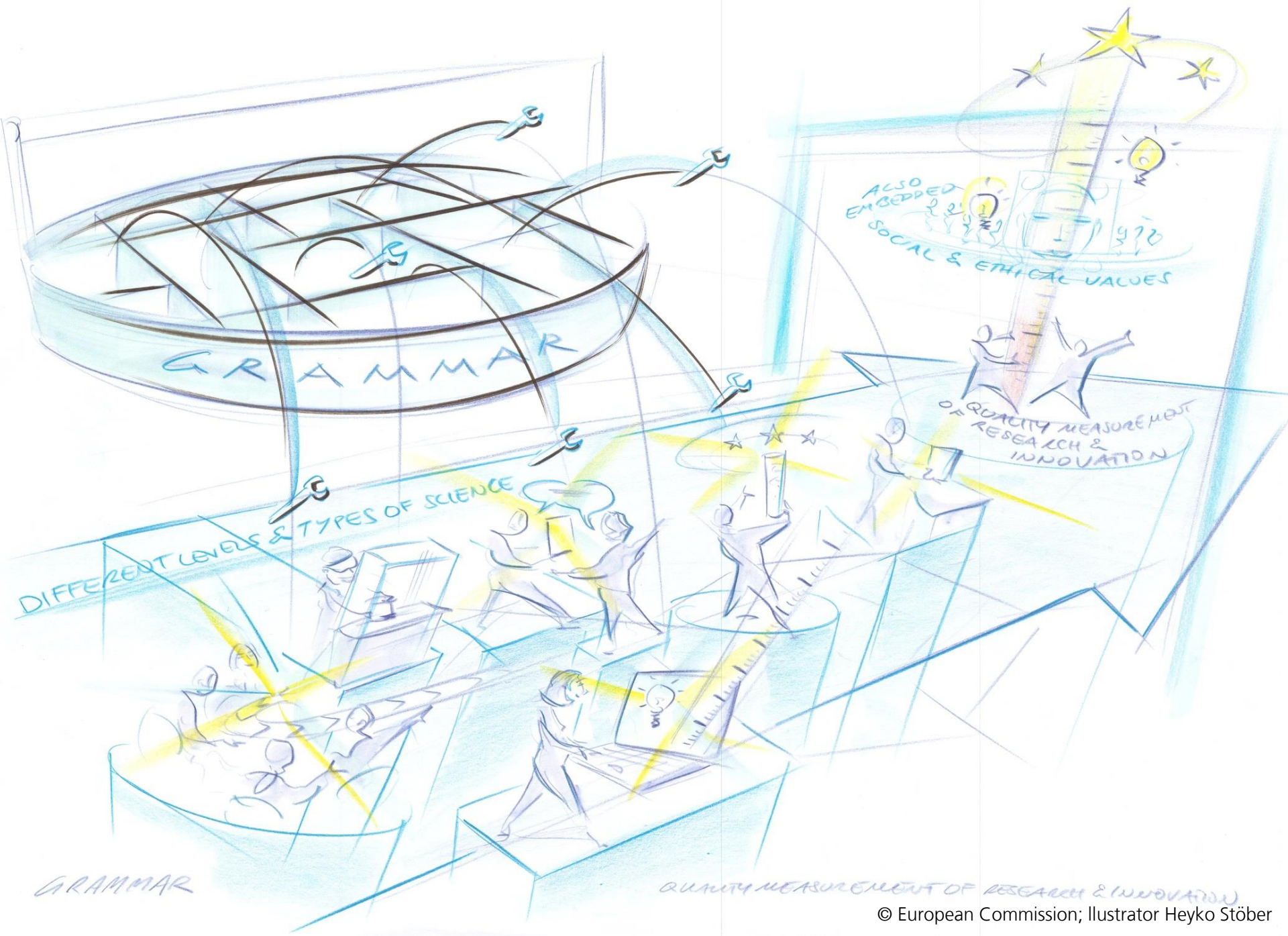


2221

think beyond the borders interdisciplinary

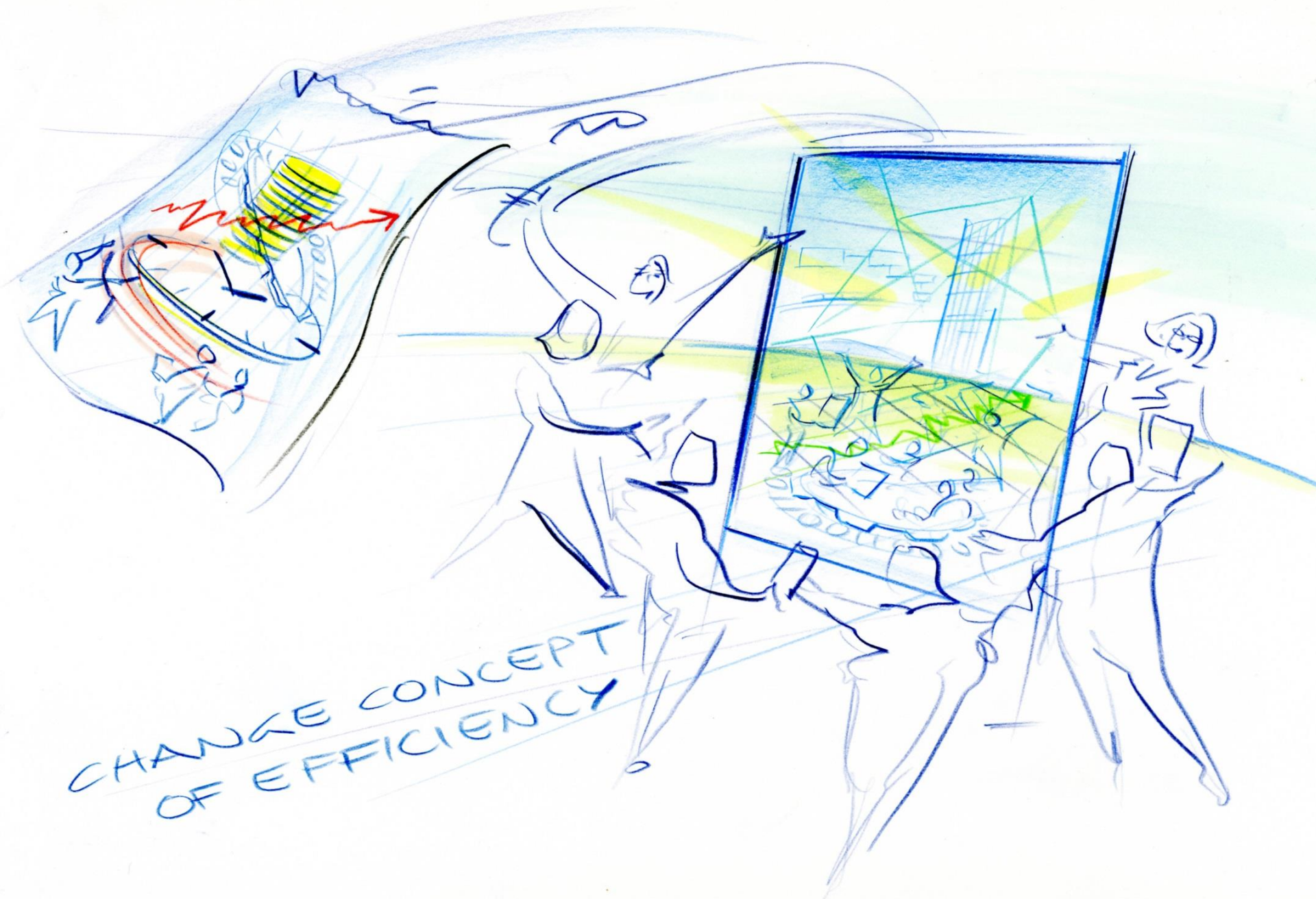
Further specification on some Vision Elements of a **future Responsible Support Framework**:

- (5) Transforming performance criteria (& practices): Slowing Up
 - Pluralisation of measures (not measurements) & peers
 - societal sounding boards (open or closed access depends on context), participation of firms should be requirement for responsible innovation (because of public money)
 - portfolio approach (high risk possible)
 - responsible indicators
 - responsible funding agencies
 - Procedural
 - not only output notions of performance, also procedural
 - adaptive management stage gate => Reflexivity of indicator
 - => FP9 commission should/could consider inclusion into 6 Key
 - Excellence with relevance
 - Puzzle for evaluation

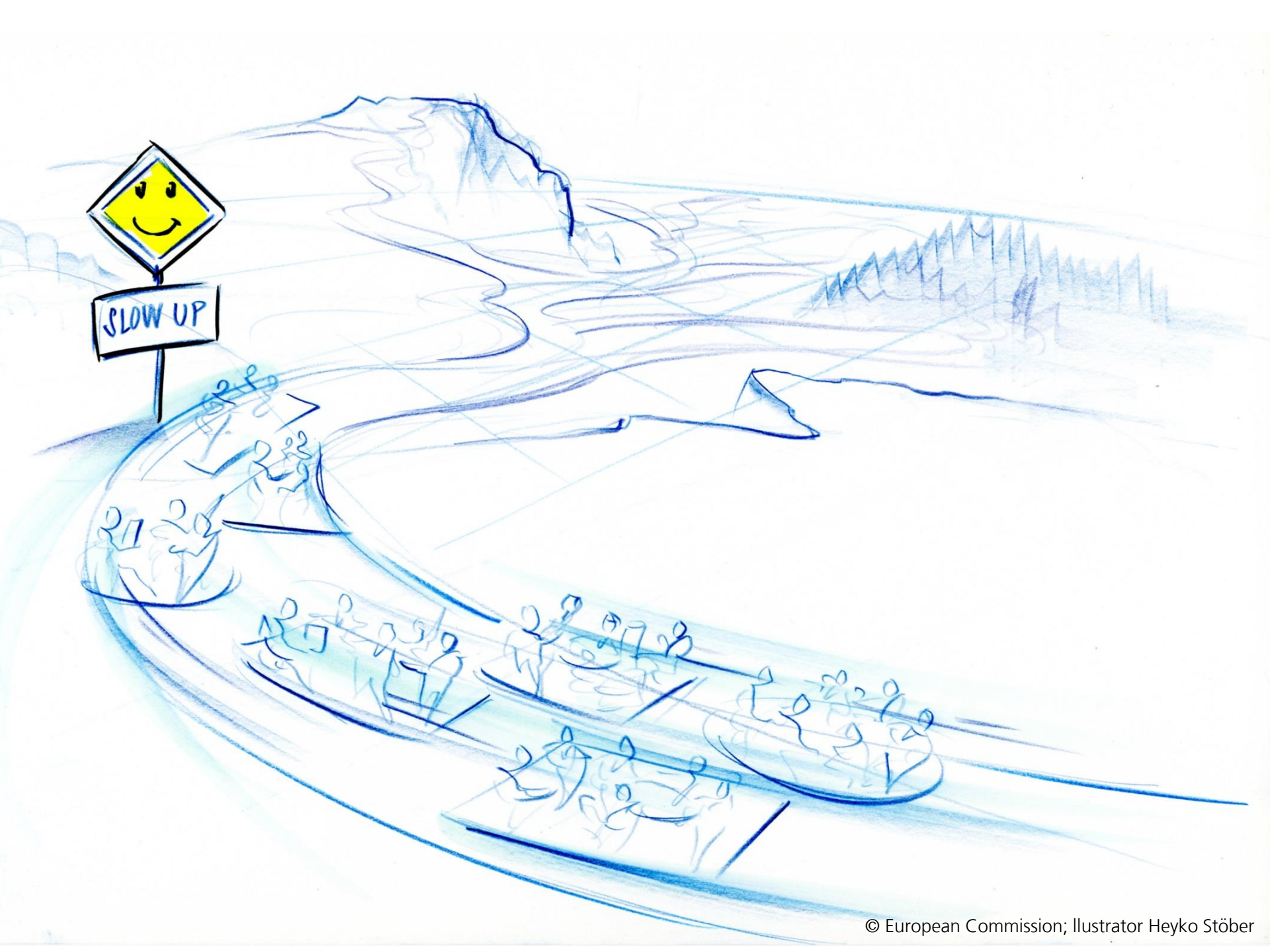


GRAMMAR

QUALITY MEASUREMENT OF RESEARCH & INNOVATION



CHANGE CONCEPT
OF EFFICIENCY



News from the future

Assumption/ Starting point:

Our RRI Vision ist realised ...

Task:

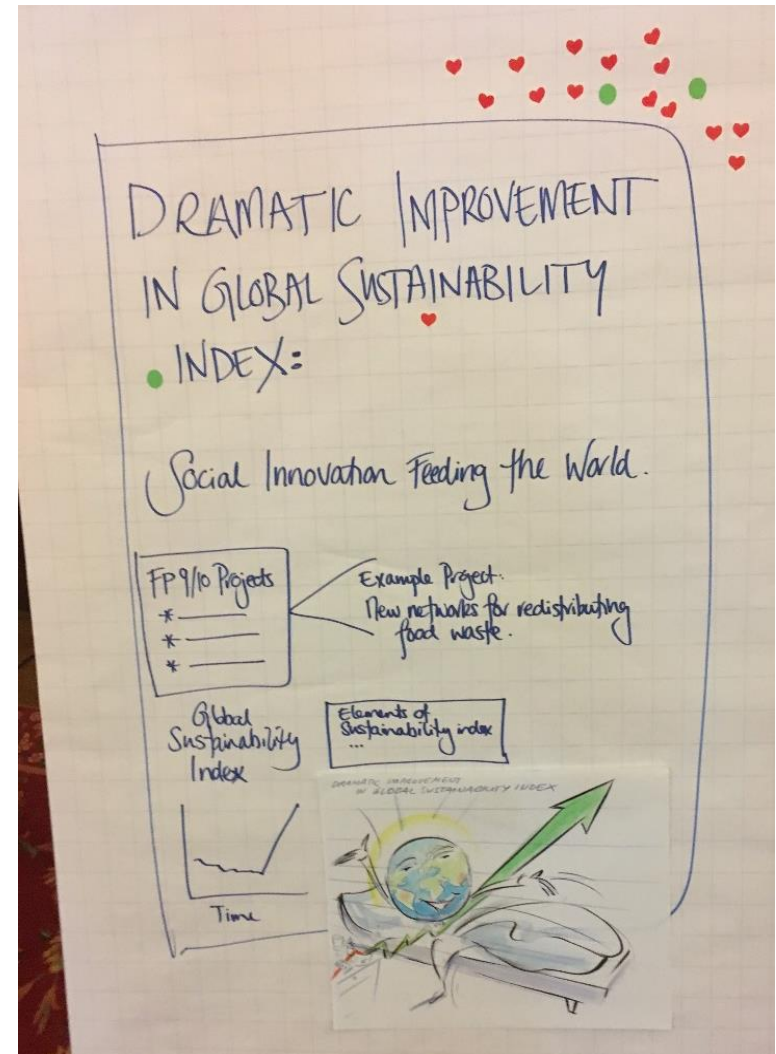
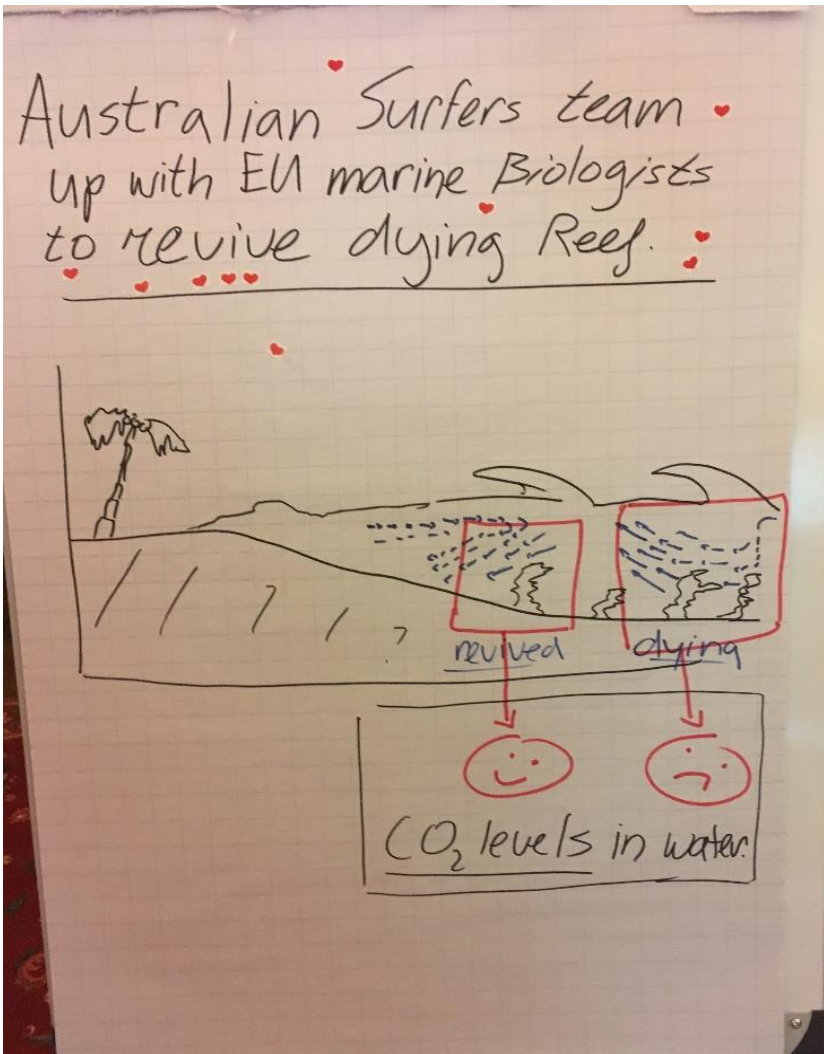
Please create a newspaper page with ...

- Headlines
- Graphs
- Images

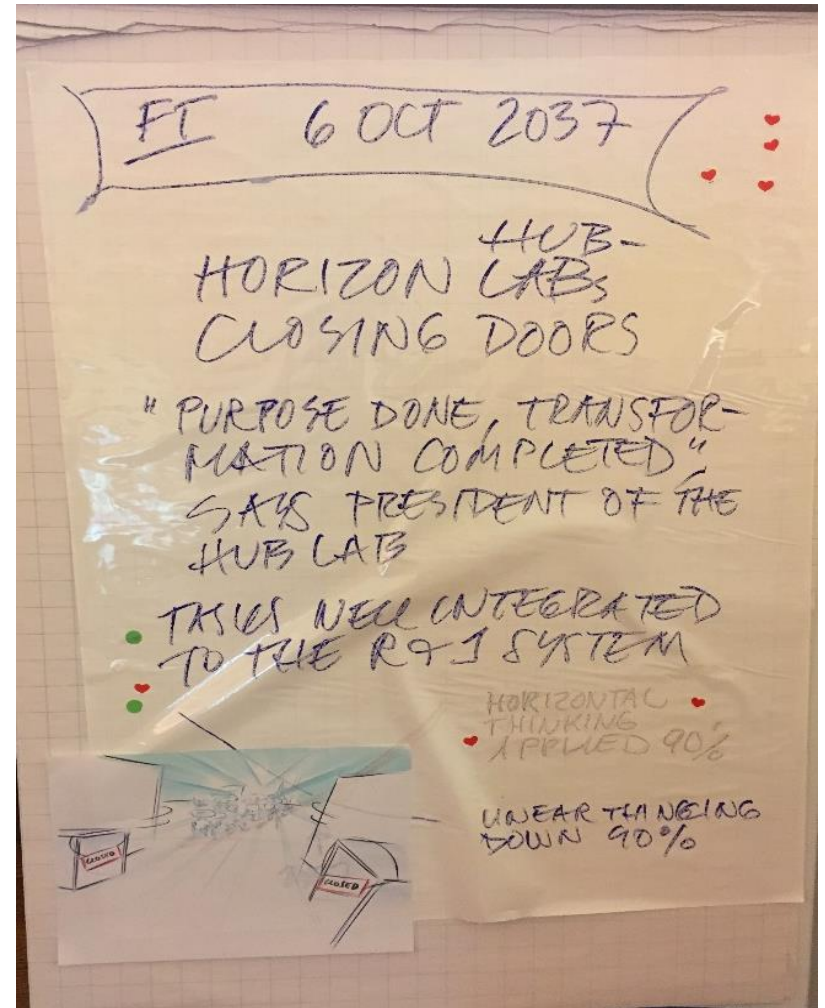
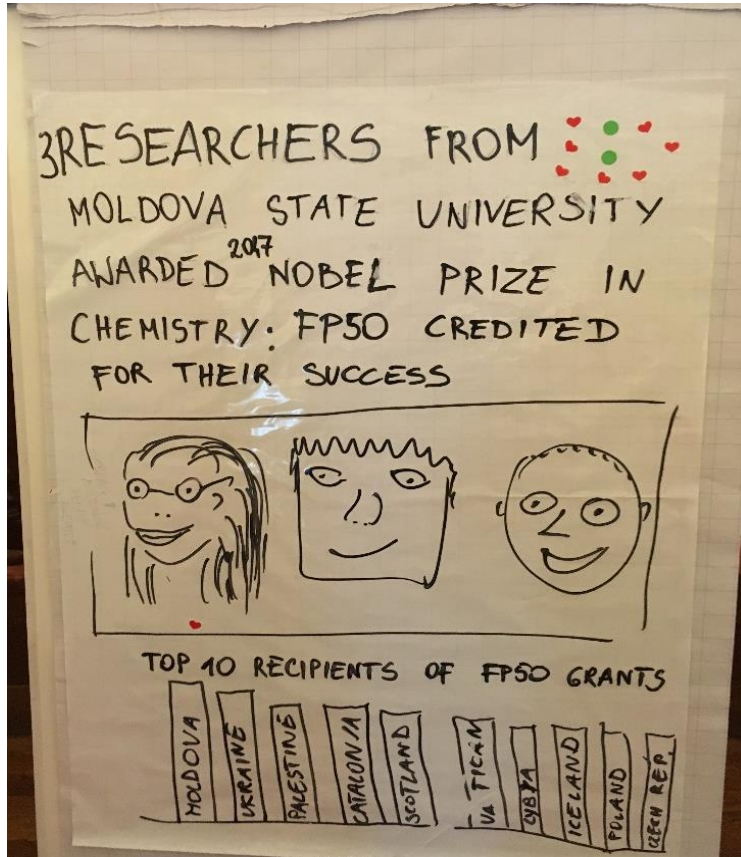
that report from this outcome.



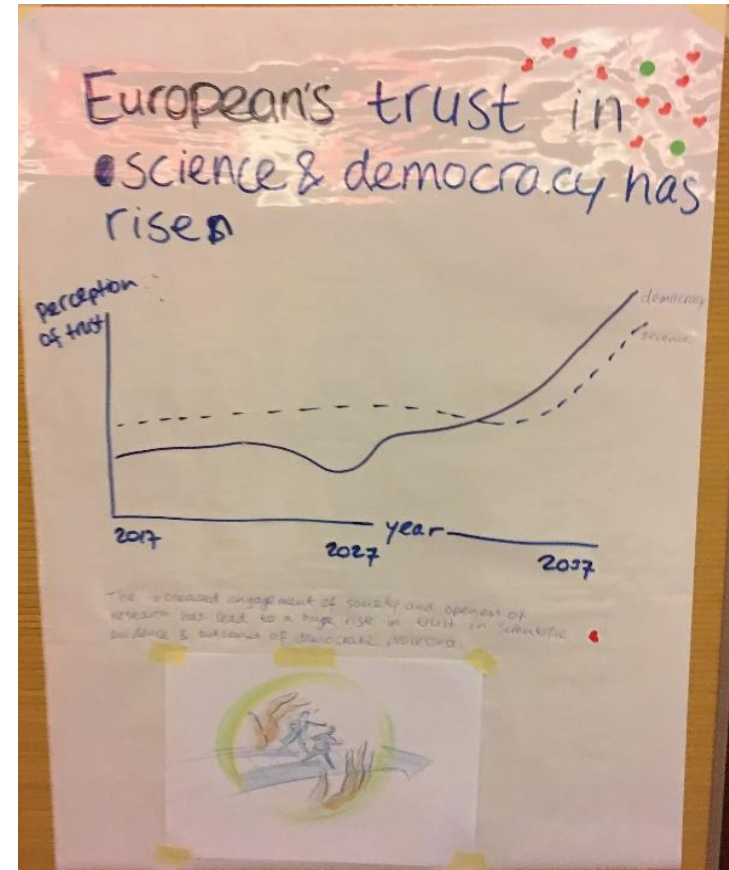
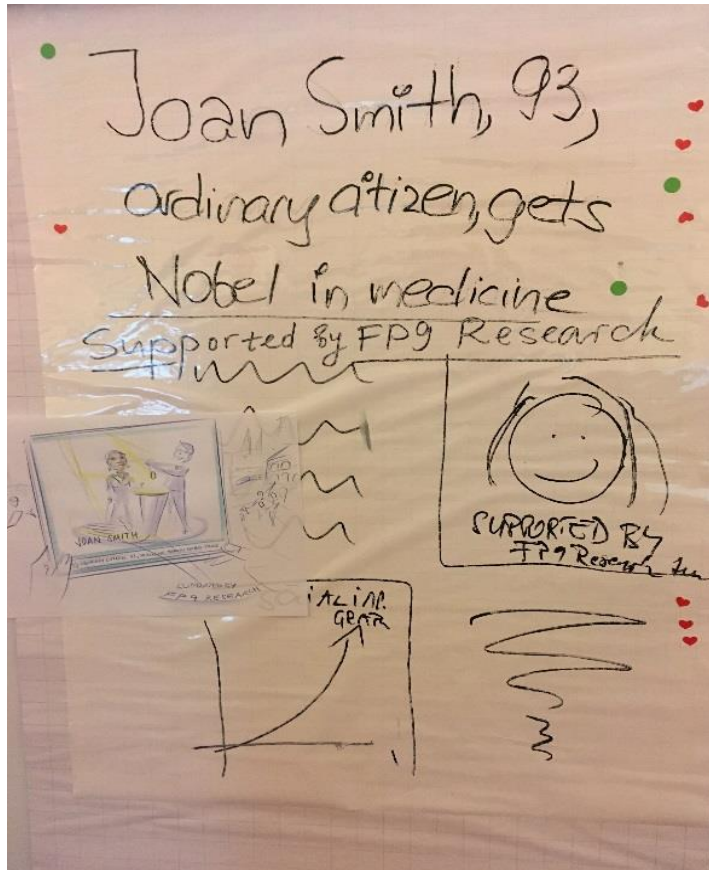
News from a responsible R&I future



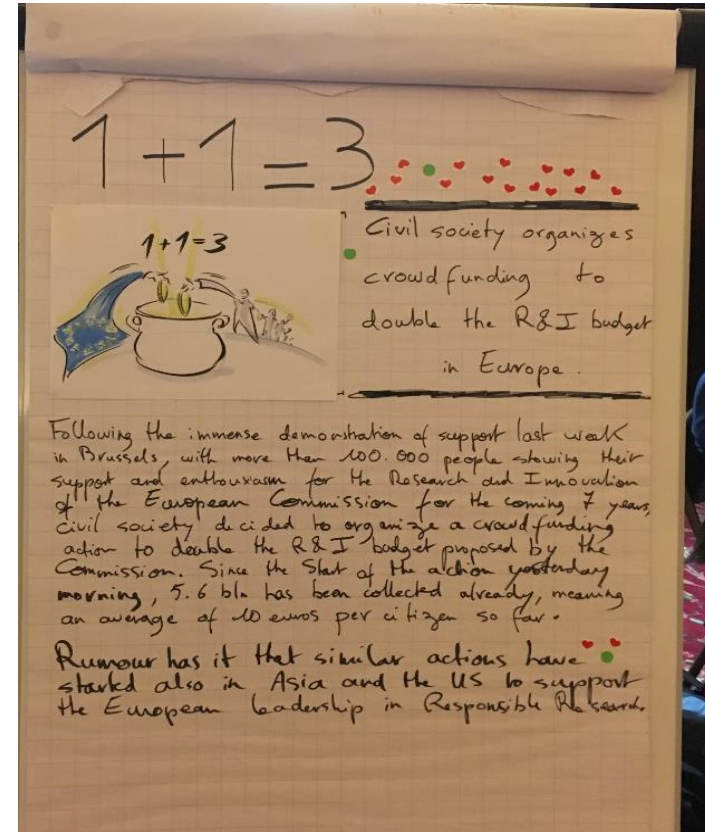
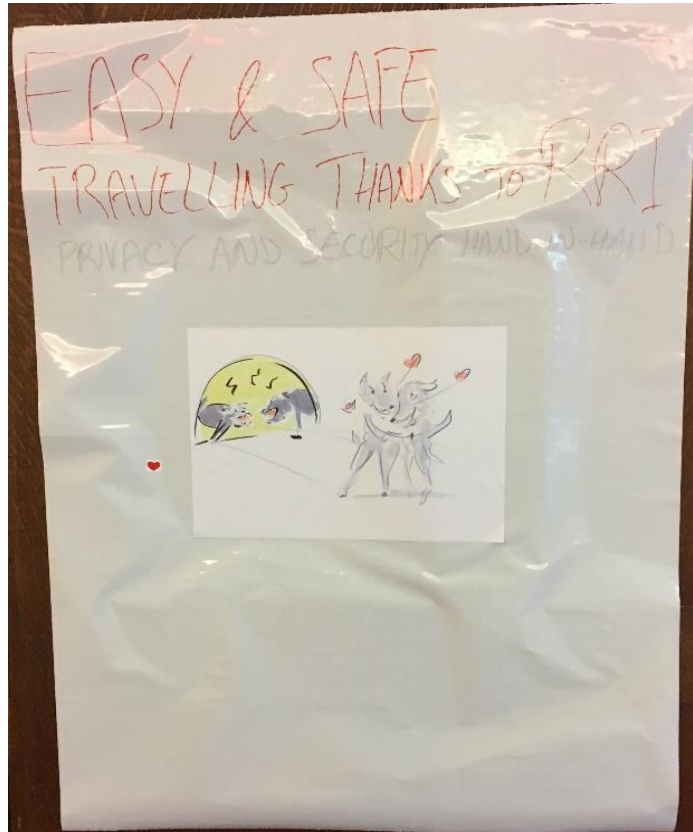
News from a responsible R&I future



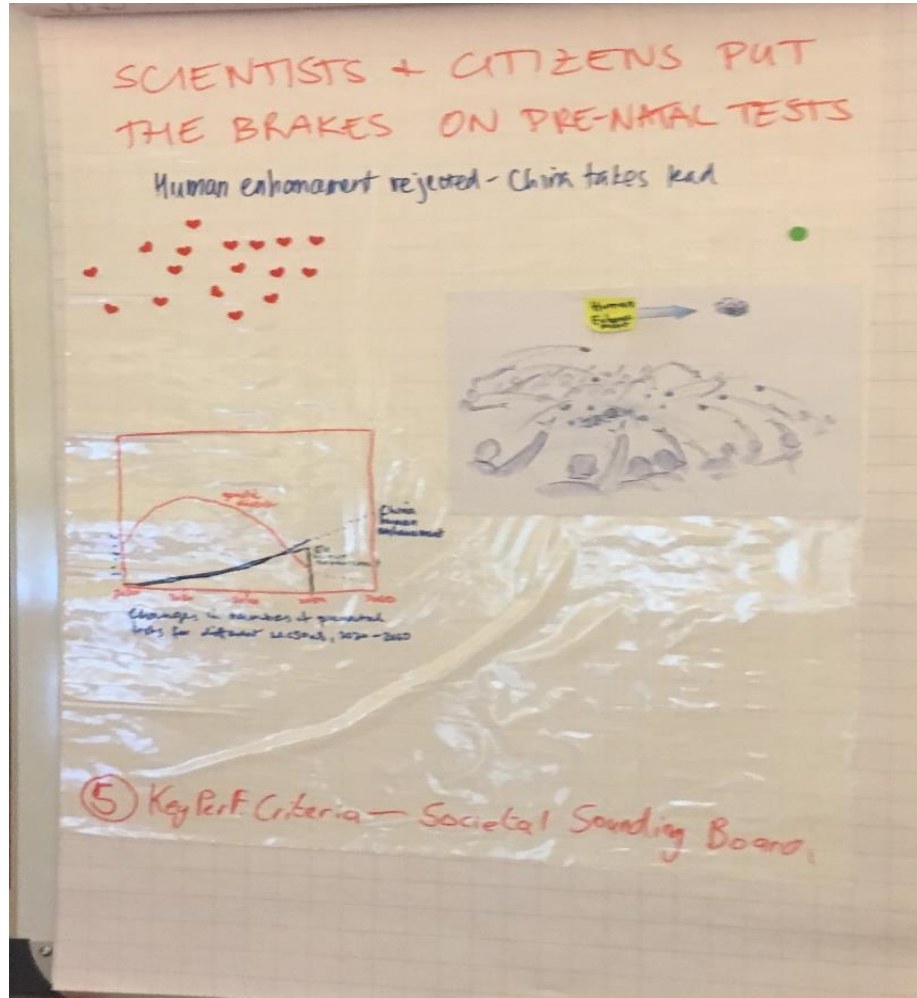
News from a responsible R&I future



News from a responsible R&I future



News from a responsible R&I future



Actions towards the vision today

You are in charge of FP9 (or national programme) ...

What would you do first to realize the 12 elements of our vision?



Actions for Vision-Elements 1-4

1. Enabling participation

- Citizens' Empowerment
In all stages and levels of the project (decision making, impact, quality control, ethical desirability)
supported by adequate reimbursement (20% of total budget) Impact section should clearly connect stakeholder mapping->strategy->impact 6G

2. Focus on societal impact

- encourage results/impacts that extend beyond the life of the project 4G 1H
- offer support for social innovation (socio-technical) 2G
- Maintain Problem oriented Programs and Calls

3. Fostering Solidarity

- Rewarding knowledge/experience sharing 4G1H
- Preference/Support for Newcomers (Actors without experience in running FP project 1H1G)
- Encourage diversity

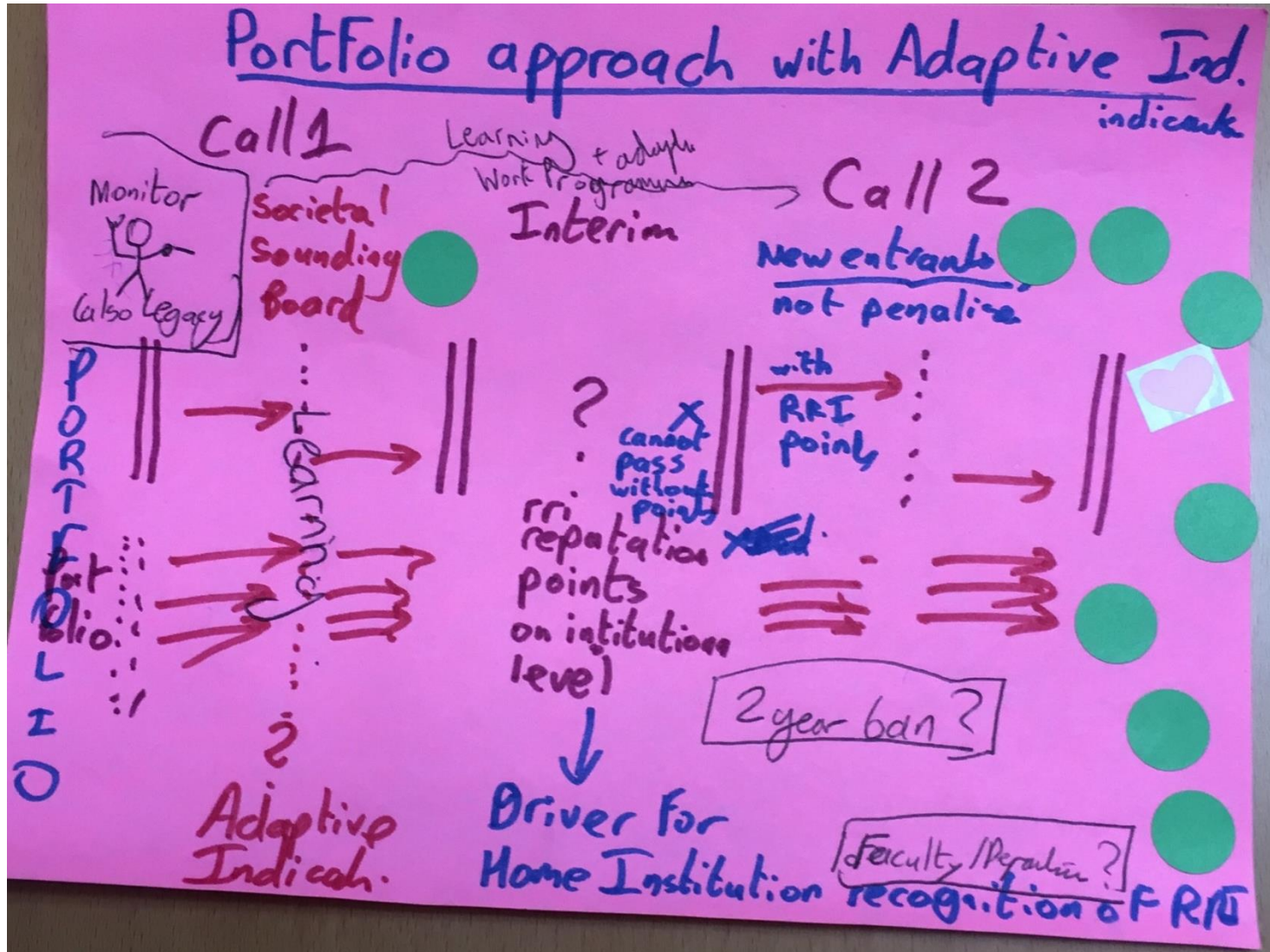
4. Horizontal Thinking

- Horizon LAB. A future think-tank and action point (no talk shops!) for development of horizontal thinking that applies to real problems 7G
- Summer School for Horizontal Thinking. In order to apply for funding you should "pass" the training
- New Criteria For: **Undoing?** Funding, training, Impact
- Transdisciplinary Impact Factor 1G

Actions Element 5 (1/2)

5. Transforming Performance Criteria

- Portfolio Approach with adaptive Indicators



Actions for Vision-Element 5 (2/2)

5. Transforming Performance Criteria

- Societal Sounding Board (Requirement like Advisory Board) Stretching Current Practice 5G
 - Develop procedures for continued + sustained attention to responsible innovation practices
 - within projects
 - within workprogramme
- Stage Gating Approach
- Adaptive management
- Movement from individual project evaluation to portfolio based 4G
 - decide desirable impact/outcomes of portfolio at workprogramme level
 - develop mechanisms for inclusion in deciding above
 - Develop measurements – move from outcome/impact to process indicators at the level of projects 1G
- Impact outcomes should be evaluated at workprogramme level
- Pluralistic concept of measures 1G
- reflect the anticipated/desired impacts/outcomes of portfolio
 - look for ability to cope with change/risk identification + adaption

Actions for Vision-Elements 7-9

7. Respecting and embracing differences

- mechanisms for integrating feedback (changes/adaptations) from practitioners. Generate a general framework for RRI that is open to adaptation 1G
 - for basic/applied/innovation, disciplines, regions
- create a learning cycle

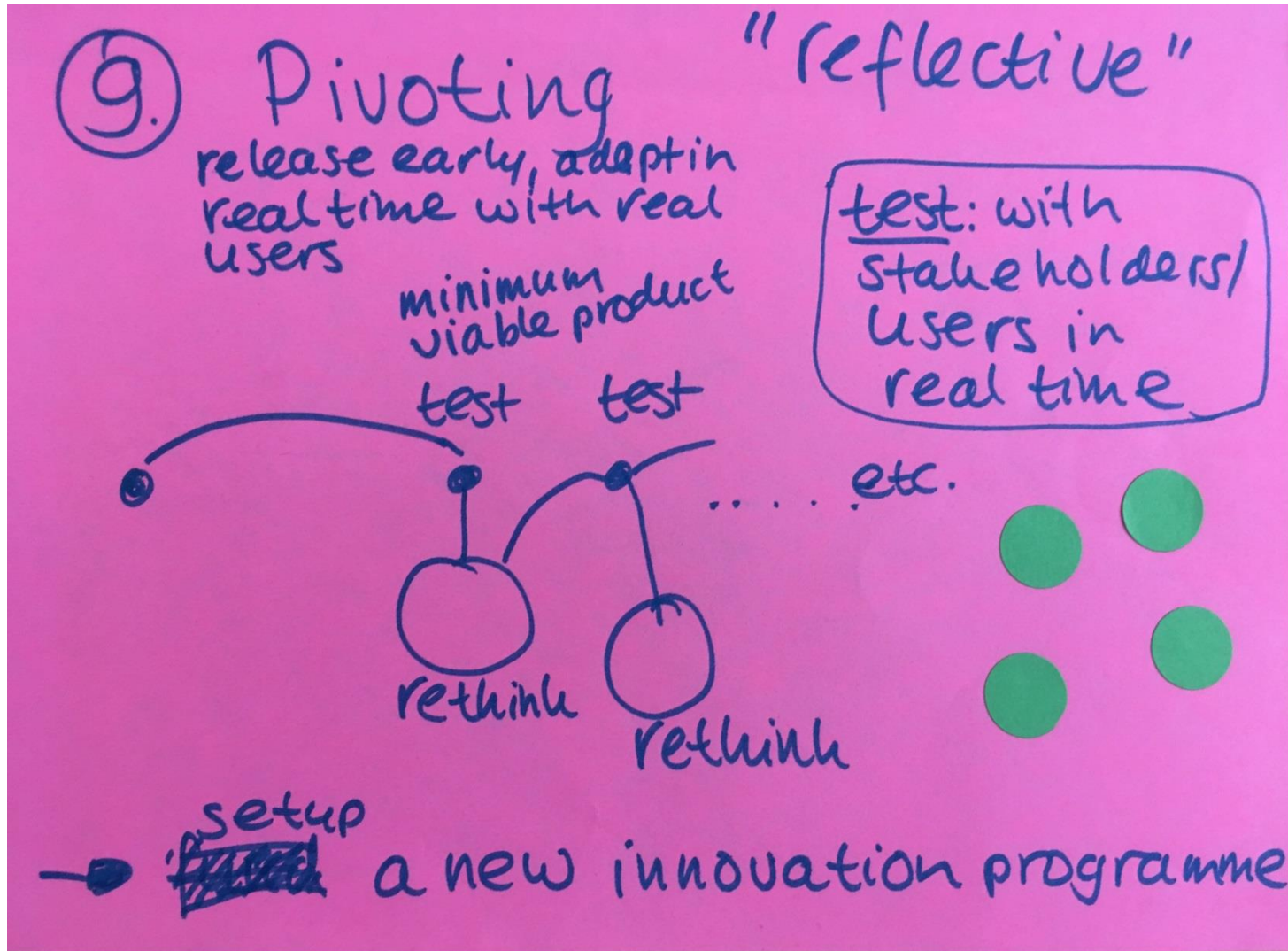
8. Recognising externalities (positive and negative)

9. Reflective R&I (embracing failure)

- Devil's advocate committee to question assumptions 5G1H
- Establishment of a journal/forum for unexpected learning 5G
 - outcomes of "failure" projects are shared here
- Program to create entrepreneurial spirit amongst EC officers & NCPs 1G
- More space for negotiation of project implementation (time, budget, ...) 2G
 - "flexibility" → shared understanding
- Project officers should be enablers of impact 6G

Actions Element 9

9. Reflective R&I (embracing failure)



Actions for Vision-Elements 10-13

10. Motivating by Narratives

11. Capacity Building

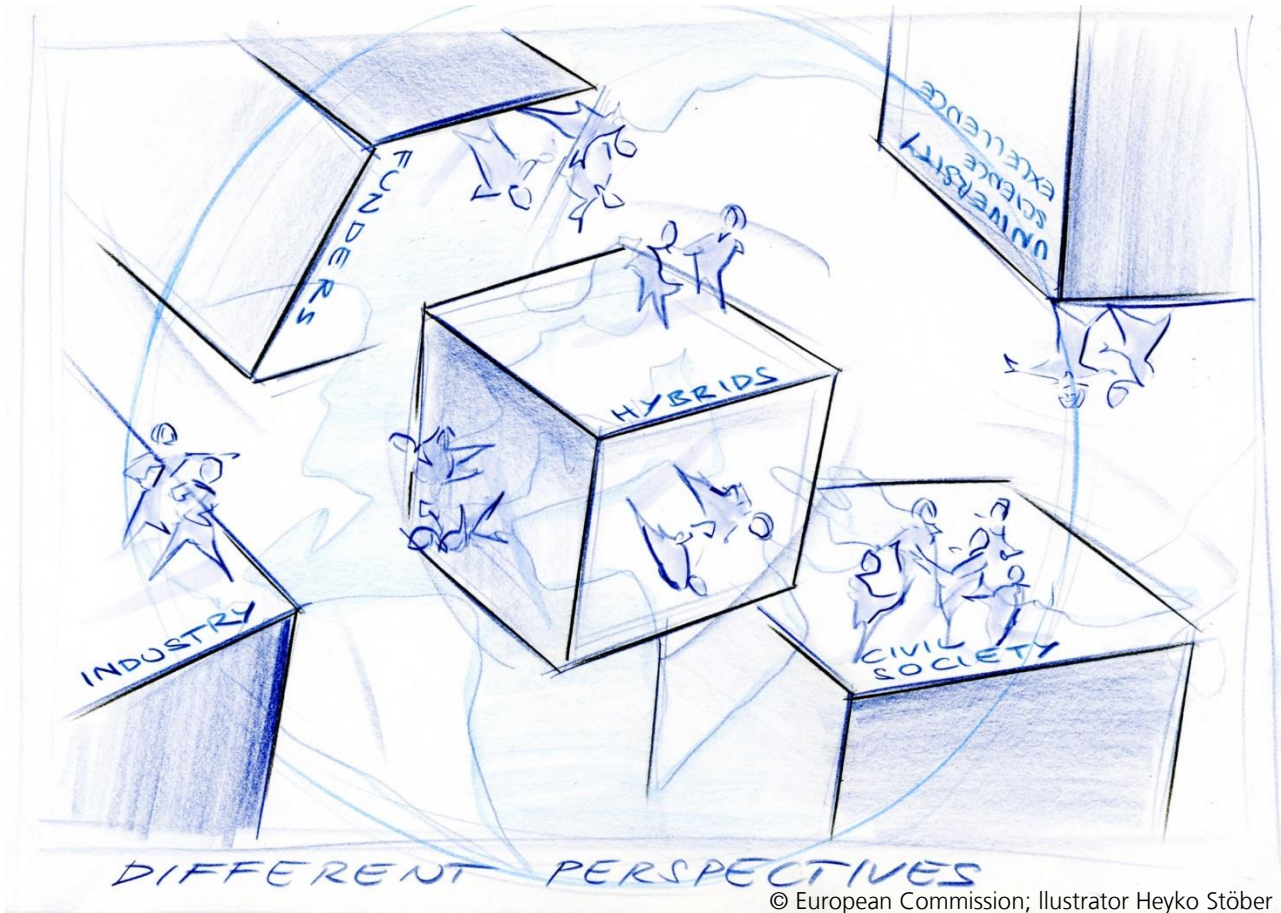
12. RRI Specific Resources

13. Support the radical creative

- Provide space to play „open“ innovation 3G1H
- Value the unexpected 5G1H
- Train/educate on creative – open proposal writing

Actor group perspectives

- What are implications of the vision for ...
 - Funders?
 - Industry?
 - Academia?
 - Hybrid organization?



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University/Excellent Science

- Provide opportunities for „early engagement“ with society
- Interdisciplinarity + More credit for cross disciplinary publishing
- Rethinking Scientist and non-scientist categories
- Broadening the epistemic community
- Reforming Ethics review processes at universities to include RRI aspects
- Institutional change that uses both “stick” and “carrot” to have scientists consider RRI in their work

Capacity Building

- Academics: to engage with society (to build narratives) (incentives for scientists to commit to public engagement)
- Society: to engage meaningfully with science



CAPACITY OF SCIENCE
TO TALK TO SOCIETY

Hybrid Organisations

- **New landscape: Science Democracy**

Responsible civic innovation → From “policy push” (policy co-creation) to “citizens driven” innovation

Responsible innovation → From “industry-push” to “customer driven” innovation

Role of CSOs in R&I has become much more influential (stronger CSO infrastructure)

- **The new (responsible) Hybrid Organisation**

- Objectives, values and processes of RRI are deeply institutionalised in cultures, career paths, leadership, missions ...
- Redefine mindset and **so**ritening capacity
- Hybrids will embody the concept of the quadruple helix
- Knowing the weakness of our vision and we would work on improving it
- Different ...
 - contracts, buildings
 - working hours/culture, responsibilities

More financial resources available for hybrid activities like capacity building networking with industry, policymaking

Hybrid Organisations

Stronger and novel role of HOs

- More organisations become hybrids, at the same time: Many hybrids specialize in brokerage and bridging
 - The workforce of crossing boundaries for hybrid organisations will be significantly greater
 - Increased competition in the field of RTOs
 - An R&I populist backlash to increased hybridization → hybrids under fire
 - Critical Scientist Organisations
 - Accompany processes and resulting new challenges
 - Proceed with actual societal challenges
- Two simultaneous developments:
 1. Diversification of functions and capacities in some organisations
 2. Emergence of more specialized brokerage organisations
 - Critical Scientist Organisations
 - Accompany processes and resulting new challenges
 - Proceed with actual societal challenges

Hybrid Organisations

Long term outlook for different context scenarios

- Scenario I: RRI has low resilience in crisis situations and is overturned in an economic downturn)-:
- Scenario II: RRI is obsolete (because embedded in everything)
- Scenario III: Inclusion of AI

Mix cognitive organisations based on self-learning artificial intelligence with cognitive citizens engaged in horizontal thinking lab

→New function: Infrastructure management
+ accessible, open e.g. AI

→AI will replace most of our jobs

Industry

@Vision Element 1:

- Decrease competitive power
- Better embedding R&I
- less costs: Compliance/marketing market adaptation

@Vision Element 2: ISO Standard/

- ecosystem → SMEs
- auditing/accreditation
- certificate

@Vision Element 3: Important: Level Playing Field, comp. as vehicle for RRI, Incentives

@Vision Element 4: New assessments, already: Open innovation

@Vision Element 5 see 2

@Vision Element 6: Increased Dynamic capacity → responsive

context adaptiveness → license to operate

@Vision Element 7: 50% women on the board. Agile R&I/production more diverse offer/supply 2nd/3rd world as a market

Industry

@Vision Element 8: New regulation →
monetize externalities, minimize externalities

@Vision Element 9: Already: Venture capital
open about failure. Early diagnose with
citizens etc. means less externalities

@Vision Element 10:

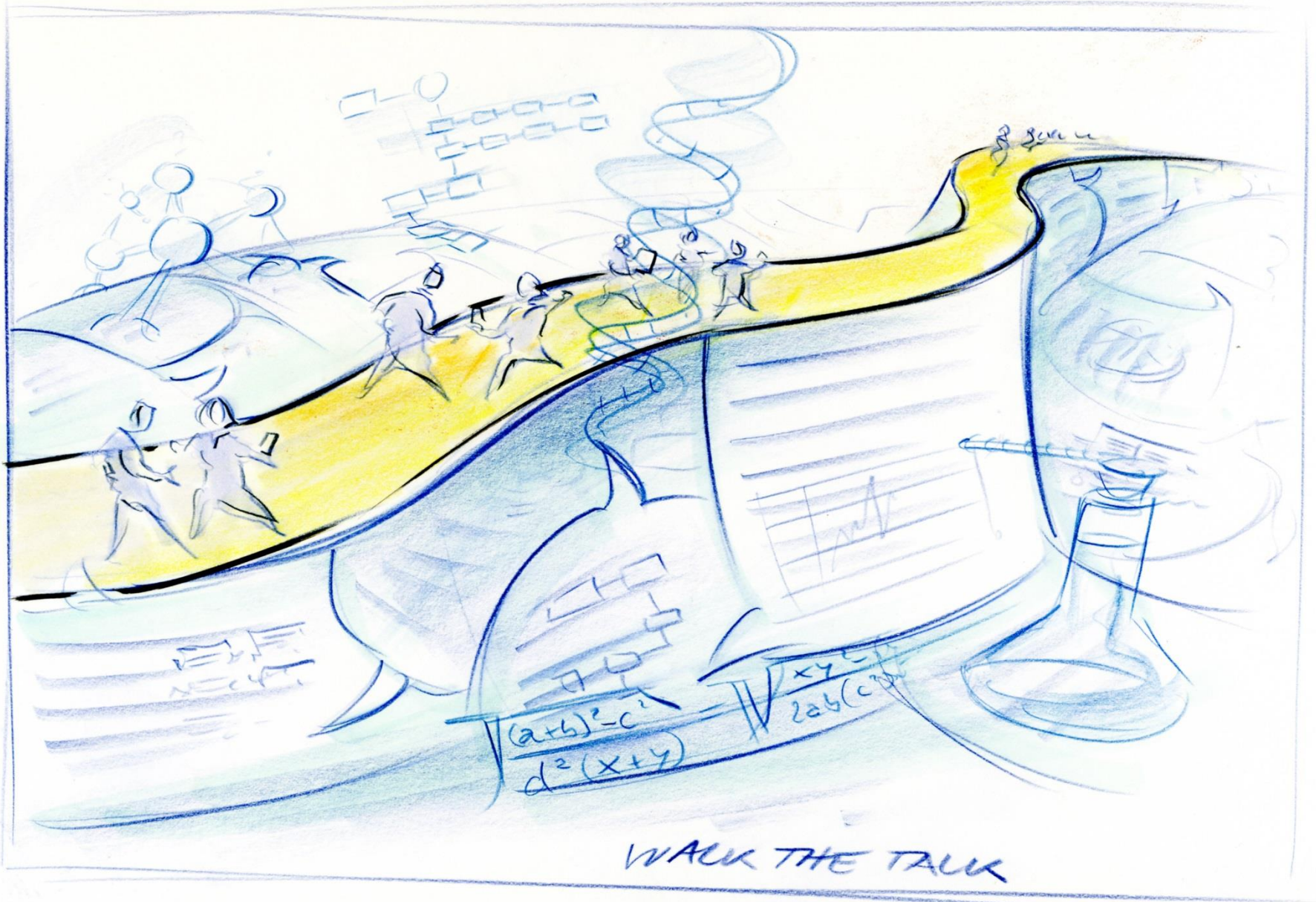
Success stories, best practices

- awards
- advertisement
- public profile

@Vision Element 11: Contribute to RRI Fund,
RRI tax

Funders

- Funders act as enablers of RRI in R&I projects by orchestrating a process of involving stakeholders who could be affected by or needed for successful desirable innovation
- Inclusion/Anticipation/Reflection
- No Funder Mythology
- Responsible investment (more targeted investment creating more impact in society, including business)



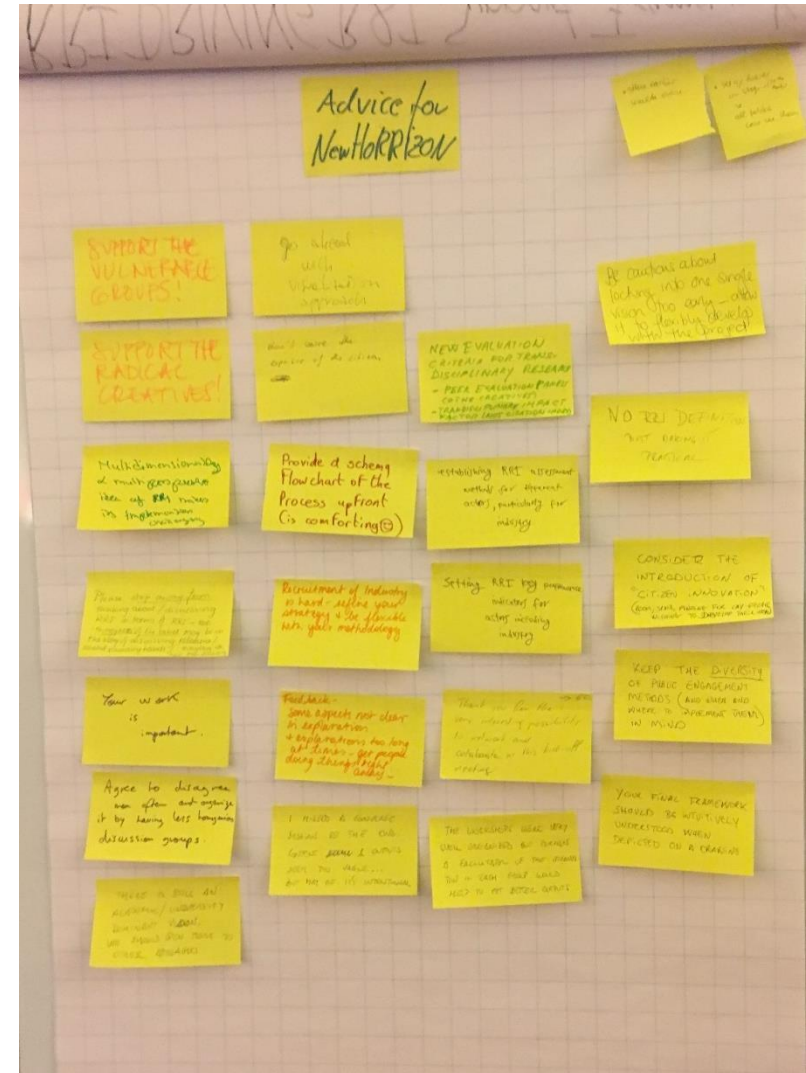
Final Round: Advice for NewHorRizon (I)

- go ahead with visualization approach
- support the vulnerable groups
- support the radical creatives
- Don't waive the expertise of the citizen
- New evaluation criteria for transdisciplinary Research
- Peer evaluation panels (the creatives)
 - transdisciplinary impact factor (not citation index)
- Be cautious about locking into one single vision too early – allow it to flexibly develop with the project
- No RRI definition but making it practical
- Establishing RRI assessment methods for different actors, particularly for industry
- evaluation criteria for transdisciplinary research
- Provide a schema flowchart of the process upfront (is comforting)
- multidimensional & multiperspective idea of RRI makes its implementation challenging
- please step away from thinking about / discussing RRI in terms of “RRI – the thingyness of the label may be in the way of discussing relevance / societal sounding boards / everything we have been discussing

Final Round: Advice for NewHorRizon (II)

- Recruitment of the industry is hard – refine your strategy & be flexible with your methodology
- Setting RRI key performance indicators for actors including industry
- Consider the introduction of “Citizen Innovation” (room, space, funding for lay-people wishing to develop their ideas)
- Keep the diversity of public engagement methods (and when and where to implement them) in mind
- thank you for the very interesting possibility to network and collaborate in this kick-off meeting
- Your final framework should be intuitively understood when depicted on drawings
- some aspects not clear in explanation & explanations are too long at times – get people doing things right away
- your work is important
- agree to disagree more often and organize it by having less homogeneous discussion groups
- there is still an academic /university dominate version, we should open more to other approaches
- I missed a converge session at the end. Content & outputs seem to vague ... but maybe it is intentional.
- The workshops were very well organized. But perhaps a facilitator of the organization in each group would help to get better outputs.

Advice to NewHoRRizon



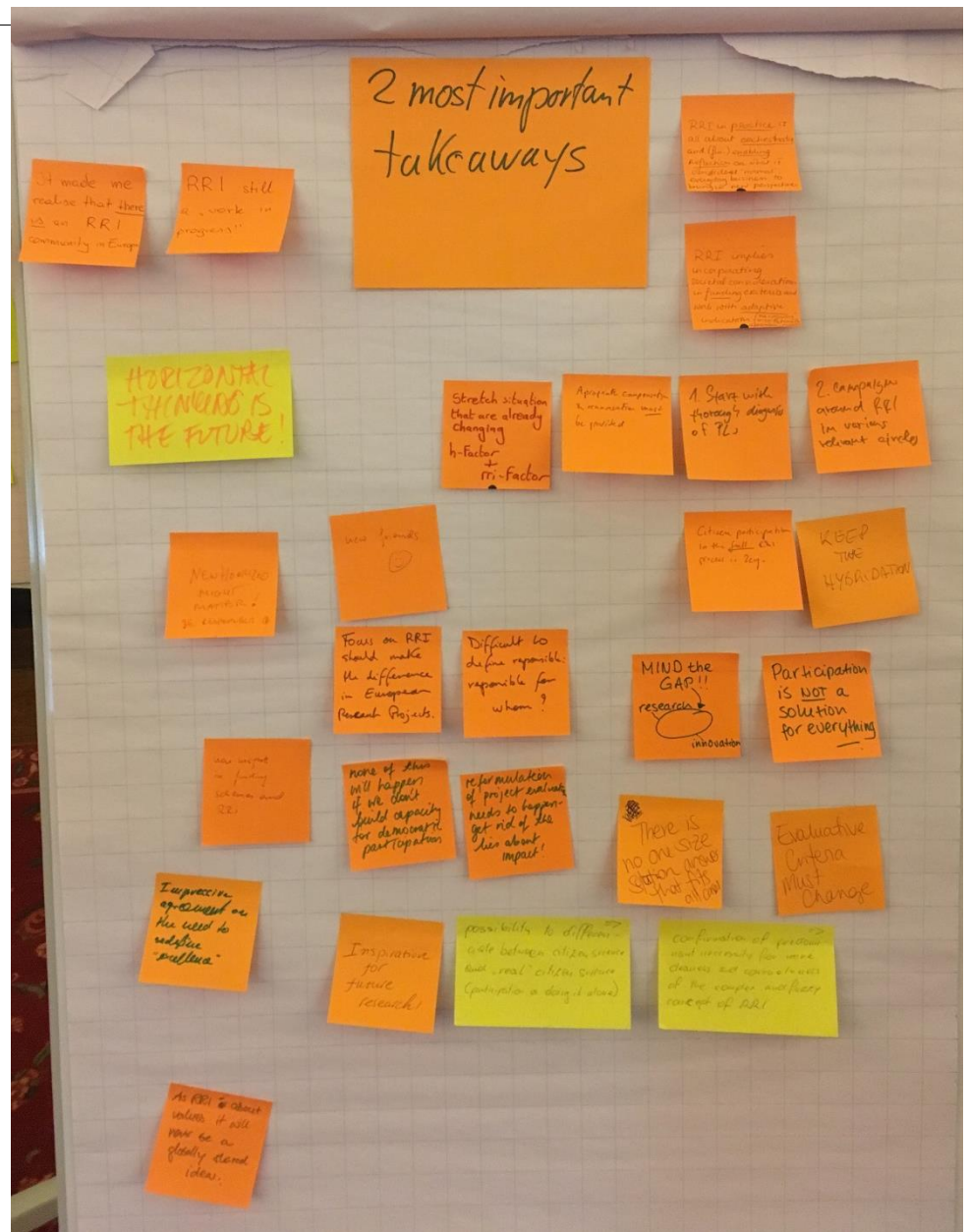
Final Round: Two most important takeaways (I)

- confirmation of predominant necessity for more clearness and concreteness of the complex and fuzzy concept of RRI
- possibility to differentiate between citizen science and “real” citizen science (participation vs doing it alone)
- Horizontal thinking is the future!
- RRI still a “work in progress”
- RRI in practice is all about orchestrating and (fin.) enabling reflection on what is considered “normal”; everyday business to bring in new perspectives
- Keep the hybridation
- Citizen participation in the full R&I process is key
- RRI implies incorporating societal considerations in funding criteria and work with adaptive indicators
- 1. start with thorough diagnosis of PLs
- 2. Campaign around RRI in various relevant circles
- Appropriate compensation & remuneration must be provided
- stretch situation that are already changing (h-Factor & RRI-Factor)
- NewHoRRizon might matter, be responsible
- It made me realize that there is an RRI community in Europe

Final Round: Two most important takeaways (II)

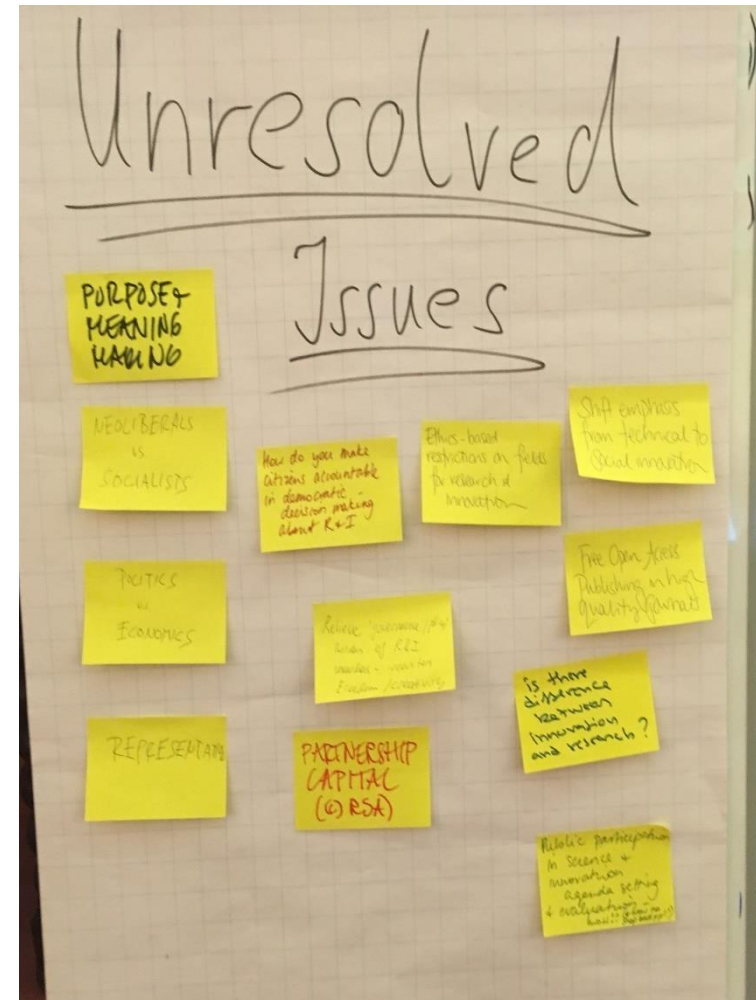
- new friends
- Focus on RRI should make the difference in European Research Projects
- Difficult to define responsible: responsible for whom?
- Mind the gap!! Research – Innovation
- Participation is not a solution for everything
- There is no one size solution answer that fits all cases
- evaluative criteria must change
- none of this will happen if we don't build capacity for democratic participation
- reformulation of project evaluation needs to happen – get rid of the lies about impact!
- New insights in funding schemes and RRI
- Inspiration for future research
- impressive agreement on the need to redefine “excellence”
- As RRI is about values it will never be a globally shared idea

Two most important takeaways



Unresolved Issues (I)

- Neoliberals vs. Socialists
- Free open access in high quality journals
- Politics vs. Economics
- How do you make citizens accountable in democratic decision making about R&I?
- Partnership capital
- Public participation in science and innovation agenda setting + evaluations
- is there dissent between innovation and research?
- Representation
- Purpose & meaning making
- shift emphasis from technical to social innovation
- Ethics-based restrictions on fields for R&I



Unresolved Issues (II)

- Inequality
- acknowledge that 5/6 RRI keys are the current political reality: how does the vision relate to them?
- relieve „governance/policy“ burden of R&I researchers – innovators. More freedom/creativity
- reconfigure current EU commission RRI definitions – get to specific level
- address global vulnerability (technological, biological, economic, ecological, political and psychological vulnerability)

