

8 Feb KSS Meeting Notes

1. Partner Updates

- a. IIASA
 - i. White board Project OPPS.
 - ii. Franzika Gaupp to IIASA this summer
 - iii. 4 funding options for KSS, CLUA, Jeff Sachs, MBBF, SDG Systems Perspective
 1. "Horses that could pull a KSS cart"
 2. UNFCC – IIASA has done this with Brazil – can do with other countries
 3. SUPPORT SDGs with Analytical backbone – IIASA is too small to do this – need KSS
 4. Funder of MBBF
 - a. Lloyds – bring industry funding
 - b. Geneva association – similar
 - i. DISCUSS THIS with Paval this summer
 - c. Get check books out at this meeting
 - d. Pre-competitive space
 - iv. BY FRIDAY – prioritize and action plan for each
 1. Project plan with business development capture plan – how do you make it real
 2. Funding needed for us to do the work
 3. Then how do we support –over a defined timeline
 - a. If not going well – when to kill
 - v. Mike – each of us has a BD plan – we have not worked out how we work together to do BD
 - b. SDGs space – each KSS org have something in this space – need to build on what we have done
 - i. Steve HD – KSS workshop in August
 - ii. NOS – used to look at SDGs
 1. Very useful thinking to build on
 - iii. At CIMMYT50 – SDGs the framing
2. KSS can connect pre-competitive space with Business needs – Bram
 - a. If stays pre-competitive – nothing changes
 - b. If move topic to business – risk, business continuity, changing investments can be triggered
 - i. Open scientific – pre-competitive program - And spoke activities for companies – what it means for business
 1. Investment comes from business
 - c. Value proposition – science informed decision maker
 - i. Is service – 2 flavors , datasets – and consulting private – guide competitive positioning?
 - ii. George Meyers would be happy for KSS to convene industry in pre-competitive or government
 - iii. Doug – in November – either we are consulting with services and tools and response functions – timing functions –
 1. Otherwise we are not industry strategic consultant
 2. We are better open platform that is pre-competitive
 - iv. Core offering – is around pre-competitive space – could also do individual business
 - d. Value – make case for funding – must make case for how pre competitive can benefit companies**
3. CIMMYT update –
 - a. new strategic plan
 - i. follows SDGs – some (1,2,3,5,6,8,12,13,15,17)
 - ii. KSS forms part of theory of change
 - iii. New world – Trump, China,
 1. Create a CIMMYT in China – paid for by China – upstream strategic research
 - a. Research coming out of this may inform KSS
 - b. KSS node at CIMMYT – CHINA?**
 - iv. How do I move trade position by investing in certain countries – rather than Aid investment
 1. Move invest in welfare of humans – instead invest elsewhere where countries that can become trade partner! (not Syria because they will not be trading partners, India instead)

v. Agri Food systems - Nutrition, Nature conservation, National Security

- b. National security – USG and CIMMYT – how to resolve this
 - i. Can Bram come to KSS with strategic studies in National security studies
 - ii. Different from whos money do we accept
 - iii. This conversation is moving – can be explored – don’t want to push
- c. CIMMYT investment in KSS partners – extensive – see Bram’s slide
- d. ORNL-CIMMYT – relationship has not moved since Jay left – [PROBLEM]
 - i. Are their human assets
- e. EI-CIMMYT webcast – outcome is value of SDGs – Working on this With Marc
- f. New white paper Sustainable landscapes with Ag review paper
 - i. In prep Inwood
- g. Molly – this is topic of NEWSIS – Ken Spedden – make linkage to CIMMYT
- h. NOS in Mexico – we continue to watch this
- i. CIMMYT-CSIRO proposal
- j. Publication for KSS
- k. Knowledge management
- l. SDG and Ag in progreass with Marc
- m. Agri food value chain – could connect to Lloyds – how to visualize (IIASA)
 - i. Visualize shared risk to promote cooperation
 - ii. R&D and innovation
- n. Humanitarian world interface – Anticipatory Interventions
 - i. START network interaction
 - 1. EBISS concept
 - ii. Mitigate effects of crisis –
 - 1. EBISS –
 - a. do an intervention, give blankets, seed, food
 - b. does this prevent future crisis from happening
 - 2. Other funders – if you are deploying
 - a. What is happening to data that could be collected –
 - b. Set up data collection and analyse
 - c. Two types of funders –
 - i. Those that fund data collection
 - ii. Safeguard and reduce risk in system
 - iii. Doug – value add – can you help them
 - 1. Can you build platform
 - 2. Marry EBISS with SDG with energy –long term goal
 - d. Convert this into a learning system
 - 3. START network – status: met START – sharpen IDEA and concept –
 - a. Created a vocabulary
 - b. No place to move any of this
 - c. Too operational – need to move KSS up to START leaders
 - i. Need to be invited to present in May meeting
 - ii. And interact with START Members (world vision etc)
 - iii. How to respond to massive issues – migration -stay calm
 - iii. Molly’s drawing

1. CSIRO Update

- a. Bram’s interactions – already noted
- b. Plus NOS work
- c. CSIRO funded gift to Australia – now have corporate funded outlook
 - i. Continue to refine NOS approach
 - 1. Relates to work with Mexico and NREL

- ii. IASA conversation to explore relaxation of trade from Japan and China – relationship to Nexus
 - 1. CIMMYT CHINA is interesting here
 - d. CSIRO continues to change – relatively stable
 - i. KSS – Steve may have more time to spend – Mike has less time
 - ii. In Steve’s space – lost Alex W. and Steve’s director left
 - e. National Australia bank – **natural capital declaration**
 - i. Opportunity – Corporations that have signed this declaration
 - 1. They need science to do this
 - f. ORNL – problematic with Jay gone – uncertainty where ORNL wants to go – MOU unclear – how to move
 - i. Keen to work with them
 - g. Decarbonization - COP21 22 – for the thousand – increase carbon in soils - 4ppt – would decarbonize atm
 - i. ENRA – running this – NREL and IASA and CSIRO are members, only NREL can get funding – Horizon 2020
 - 1. CIRCASA – workshops, gap about what science
 - 2. KSS opportunity – NEWSIS
 - ii. Also Global Research Alliance - doing science (GRA)
 - 1. This is also KSS sort of
 - h. CSIRO – negotiating Bill Gates fund partnership
 - i. Can not involve KSS initially but KSS could contribute to actions – MARIO H.
 - ii. Worth broadening KSS by bringing Mario in – do to less time from Mike
 - i. GEOGLAM – ag monitoring – g20 initiative – narrow but impactful
 - i. KSS could make this part of what we do in our response – most dynamic view of crops globally
 - ii. CSIRO – pasture health GEOGLAM WRAP – internal seed activity – proof of concept – works across world – we can play into
 - 1. NEED longer term funding for this
 - j. Soils and Vegetation monitoring for Australia Greenhouse gas inventory
 - i. Doing this now in Kenya – Clinton fund was doing this but gone quiet
 - ii. This could be expanded and connected to KSS activities
 - k. NOS and systems analysis to look across value chain with large food corps – Mars, Kellogg, etc.
 - i. Scoping this work
 - ii. KSS type activity – if international
 - iii. Multi \$M activity to apply NOS – full value chain – to make connection btw where Ag takes place to people eating – calorific, nutrition, life cycle C footprint, - exploring this into the future – scenarios – trajectories – different ways of doing business – how fits in global economy –
 - 1. Concept note written
 - 2. Will have internal Workshop
 - 3. Partners will be Internationals – sell produce and wine internationally
 - iv. Mars, Kellogg, Uniliver – CSIRO has worked with them previously
 - v. KSS could be part of re-establishing these relationships
 - 1. Doug – can we help with companies?
 - 2. We are open to this if funded!
 - 3. Internal investment first – get application to point where it was compelling then bring in corporations
 - 4. KSS partners could be part of first stage – invest in scope of this first stage
 - 5. All partners could offer something
 - l. CSIRO – meeting in Australia – NEED funding
- 2. Molly Update
 - a. Earth Institute – new Director position – Molly is engaged – Molly move to New York?
 - b. ORNL – with Moe – more by the book – KSS is not this
 - i. ORNL investment in KSS will stop
 - ii. MOU with CSIRO – lab strategy has been to mind core business and core sponsors
 - iii. Gary Jacobs still working with us

- iv. Jack Fellows will be with us tomorrow
- v. ORNL looking for tactical investment – snap back – don't want to be seen to take money from other than core investors – they are not distracted by other sponsors
- c. GEOGLAM – White board drawing – Kickoff meeting 2013 ILSI – Talberg meeting - Molly is Trustee of this foundation
 - i. GEOGLAM+AgMIP did not work
 - 1. AgMIP is vulnerable , GEOGLAM funded by NASA
 - ii. Jan 2014 – Visualizing World food – meeting
 - iii. Molly – KSS partners – PI is Inbal, GEOGLAM renewal proposal
 - 1. This is paying Molly's summer Salary
 - iv. 5-year bid – big
 - v. At U. Maryland – with Chris Justice
- d. DARPA dialog – we continue to have interactions
 - i. Mike – BIG project- benefited our thinking
 - ii. When no funding then occurred
 - iii. [CONCERN] KSS promises but does not deliver – DARPA promises and doesnt deliver
- e. DOD discussions – MBBF is task in NGA CRADA
 - i. ILSI Research Foundation – Simsans didn't deliver – want to know more about soil carbon

LUNCH

- 3. Doug : Moving forward
 - a. We could apply our work plans to country level: Mexico, S. Africa, China, India
 - b. Low emissions strategies – cover several countries
 - i. Evolve this into nexus outlook program
 - c. Multi-lateral funders – Banks? Are they appropriate funders?
 - d. Doug – UNEP financial innovation – Doug has contacts [OPPROTUNITY] strategic partner of KSS – support their exploration by doing NOS as partner – pathway into U.N.? – Do we model finance? – what would it mean to model this more wholly
 - i. Yes we model finance
 - ii. Have to model globe even if country level
 - iii. How do we create sustainable system
- 4. BELMONT forum – consortium – to partner with 3+ organizations to respond – fund these like NSF
 - a. International office of NSF
 - b. Molly or Marc could take the lead in US – NREL could support
 - c. Get money back that you put in – Mike [ACTIONS]
 - i. You fund up to what you put in – Australia does not put much money in to Belmont

George Meyers arrives

- i. Agenda review – Partners – overview and Why partners are part of KSS
 - a. Molly leads, UW, Columbia, ORNL, - then Martin, Mike, Paval, Michael
 - i. Bram and Michael will brief
 - b. Panel – external guests ask questions
- ii. Assign lunch seats – YES?
- iii. Lunch conversations
- iv. Switch panel 1 with guest speakers
- v. 1:00 – discussions with Martin Kropff and Kabat – 5 min each
- vi. Ground rules? – not confidential – open frank dialog –
- vii. Are people representatives of their institutions?
 - a. Ask people which hat they wear – hope they are institutional representatives
 - b. Intellectual validators - funders possibly but unlikely
 - c. Pre-screened friends of KSS – channels to funders
 - d. Direct funders – Ditmore, Patrinos, Kennedy
- viii. **On or off record? This is off the record [DECISION] – no press, we will have meeting notes –**
 - a. Working meeting – non-attribution

ix. Follow up – Ask of the day

- a. We will make meeting notes – then KSS program plan
 - b. Program plan – we will send that to them – we would like their input and reflection on priorities
 - i. Their expression of interest of which program they would like to be part of
 - ii. Help us find resources
 - iii. Your support and engagement to help
 - iv. Get their support
 - c. Ask marc Sadler to speak at lunch – others at the end of the day
 - d. Others at end of panels
- x. Molly question – USG – NGA – humanitarian – Should this be mentioned? [DECISION] Should be mentioned – not main way MBBF is going – we should present broad avenues, - In 2017 this will be IIASA back to Lloyds
- xi. Guest roles? – they will react to molly’s presentation
- xii. Molly’s questions? Audience engagement will be key
- a. Answer questions, barriers, opportunities –
 - b. Doug – more of a conversation about how it has been a value to them – how we advance this going forward
 - c. And what are the next steps in the last 5-minutes of hour
 - d. And who would like to help – take home task – about out of time for this panel – write down their key take aways from the conversation – priority next steps – this theme – beyond listening – how would you engage or use this – mention this at the beginning so they are thinking about it during panel
 - e. Meeting notes and Portfolio plan followup – ask for their engagement
- xiii. PANEL 2 – ask Mikes question to panel guests
- xiv. Reporting out – Other people appreciate KSS – this is pep talk [ACTION] make sure they are prepped
- a. Saah and other? – at end – not about their own organizations
- xv. What we don’t want to discuss

Purpose of dinners 9 Feb – Lab leads know each other

Molly lead other 9 Feb dinner – more technical group

Go through presentations

Panel 1 – moves our knowledge – reports – moves into new lane – financial capital – best examples that people can grapple with – 1:200 rule in insurance – changing decisions – they didn’t have access to this previously - risk to capital

1. Outcomes by Friday

- a. Priority project plans with concept notes with targeted sponsors, BD plan, exit strategies
- b. Derive core operations from project funds
- c. How money is moving within KSS –
 - i. CIMMYT – Bill Gates fund, USAID, CGIAR member country CRP funding (competitive), ACR (Australia foreign Aid)
- d. What can we do for Johnathan Wadsworth WB – make this his own – KSS is thought leadership partner – pay us
- e. Lay out EBISS on Friday – BD plan , with SDGs and World Bank
- f. CSIRO – meeting in Australia – NEED funding
- g. What industrial sectors are high priority? – for work stream in Sustainability solutions
 - i. Doug has lots of relationships to Sustainability officers to Nike, Google etc.
- h. Position new work in key outlets to create visibility – create new investors
 - i. KSS identity – concept into high level BBC world or Nature paper – look at this as business development
 - ii. Also define what we are not going to talk about

2. Actions

- a. NREL needs to be added to charter
- b. Charter include Logo use

- c. Next meeting – Singapore? – Interesting funder through CSIRO – could follow up with
 - i. TEMASEK holdings – part private part govt – discovered
- d. Austria Alps – Lloyds meeting this summer with Paval?
- e. If leadership change – within the next 6 months – make sure we root down and up
 - i. Pavel is leaving? – make sure we get what is needed from him
 - ii. Welcome new leader with quick wins on way in
- f. KSS node at CIMMYT – CHINA?
 - i. CIMMYT – keep in touch with CSIRO on this
- g. CIMMYT – National Security conversation can be moved forward but delectate – not to be pushed
- h. Molly – CIMMYT Crowdsourced data with IIASA - this is topic of NEWSIS – Ken Spedden – make linkage to CIMMYT
- i. Systemic trade risk visualization paper from Michael to send
- j. BRAM has concept plan – business development structure [GET]
- k. What can we do for Johnathan Wadsworth WB – make this his own – KSS is thought leadership partner – pay us
- l. START - Need to be invited to present in May meeting
- m. Connect Eiligh Kennedy with Bram and others – looking for funding – she can help our budget
 - i. Need to manage this relationship – bi weekly calls –
 - ii. KSS partners should say what their interest is in this relationship
 - iii. What are program goals – steps to get there [ACTION] JISEA can support this
 - iv. Need good communication for MBBF and EBISS
 - 1. MBBF is value proposition for EBISS
- n. ACTION – need money from JW \$50k
- o. Mike – Bring KSS into new work with Corporations to broaden scope
- p. Doug to bring KSS to UN? – not critical path but potential
 - i. Molly – also Kat Steyer – US Accounting initiative
 - ii. Networks of internal auditors – rule makers – this is one of our tactics
- q. **Mike – action to see if eligible for Belmont funding**
 - i. Bram also check
 - ii. PRE-Proposals 15 March
 - iii. CSIRO III Mckenshee – last person to meet with Belmont
- r. Reporting out – Other people appreciate KSS – this is pep talk [ACTION] make sure they are prepped
 - i. Saah and other? – at end – not about their own organizations

3. Work plans

- a. **Sustainability Solutions**
 - i. Nexus outlook scenarios
 - ii. Spurring ambition ??
 - iii. SDG Systems perspectives – we have systems model – Steve HD is lead –
 - 1. In Survey Process
 - 2. Funding?
 - 3. Need to get in conceptual frame to give KSS an “edge”
 - 4. Then get funding
 - 5. IIASA-CSIRO
 - 6. Who is the beneficiary of this work? –Alex
 - a. IIASA is beneficiary
 - b. But also 8 champion countries who want to be leaders of SDGs
 - c. Funders = World Bank, Asian Development bank
 - iv. BRIAN Bush paragraphs – good basis to take this anywhere

- iii. Kennedy can fund raise with us
 - ii. Action against Hunger – IRIS – Kennedy
 - 1. Need to look at corruption – need humanitarian partner to do this
 - 2. Scot David looked at this in Bitcoin and Blockchain
 - 3. [DECISION] CORRUPTION is important but we don't talk about it – can not move toward center -
- 2. Doug – two tracks – work streams -
 - a. to insert science into their operations – World Vision, ACF, funding from them or new partners to help them
 - b. longer term science base and knowledge – World Bank to build program (i.e. \$500M)
 - i. need to know how much to invest to develop this