giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

SNRD Asia

TUEWAS

Going Digital –
Unleashing the Potential
for SNRD Asia and TUEWAS

14–18 May 2018 | Royal Orchid Sheraton Hotel | Bangkok, Thailand

AGENDA

SNRD Asia and TUEWAS Joint Conference
14–18 May 2018 | Royal Orchid Sheraton Hotel | Bangkok, Thailand

Time	Monday 14 May	Tuesday 15 May		Wednesday 16 May	Thursday 17 May	Friday 18 May
	SNRD Asia	SNRD Asia		Joint Conference Day	TUEWAS	TUEWAS
8.30–9.00		Welcome & Introduction		Welcome & Opening •External Keynotes on "Digital Transformation" and "Digital Insight – A Case from India" Group Photo	Welcome & Introduction	
9.00–10.30	Working Group Meetings	SNRD Asia Thematic Workshops I			TUEWAS Thematic Workshops I	Working Group Meetings
10.30–11.00				Tea/Coffee Break		
11.00–12.30	Working Group Meetings	SNRD Asia Thematic Workshops II		•GIZ Digital Direction •Digital Highlights within GIZ and Thailand	TUEWAS Thematic Workshops II	Working Group Meetings
12.30–14.00				Lunch		
14.00–16.00	Working Group Meetings	14.00–16.30 TUEWAS Strategy (AV) Meeting	Showcasing Digital Tools & Other Project Initiatives	Cross-cutting Thematic Workshops I	Showcasing Digital Tools & Other Project Initiatives	Working Group Meetings
16.00–16.30				Tea/Coffee Break		
16.30–18.00	16.30–19.00 SNRD Asia Strategy (AV) Meeting	Perspectives 16.30–17.00 Recap & Future Direction		Cross-cutting Thematic Workshops II	Perspectives 16.30–17.00 Recap & Future Direction	Working Group Meetings
18.00–20.00		Exchanging Perspectives & Discussion on Key Issues •17.45–18.30 Snacks 'n' Drinks •18.30–20.00 Conversation with the Management		Perspectives & Showcasing Working Group Activities •18.00–18.30 Recap & Future Direction •18.30–19.00 SNRD Asia–TUEWAS Working Group Hotspots		
20.00–22.30				Networking Night 19.30–22.30 River Cruise (3–hour, non-stop)		

For more information, contact:

SNRD Asia and TUEWAS Secretariat
E: snrd-asia@giz.de or tuewas@giz.de
I: www.snrd-asia.org or www.tuewas-asia.org

LIST OF THEMATIC WORKSHOPS

SNRD Asia Conference Day │15.05.2018

SNRD Asia Thematic Workshops I (09:00–10:30)　　　　　　■ Digital ■ Non-digital

Titles	Summary	Contributors
ODK – The Future of Spatial Data Collection and Processing	We all need up-to-date and evidence-based information for decision-making; and in rural development we very often need spatial data. However, paper-based data collection is outdated. This workshop will therefore show you, in a hands-on way, the future of spatial data collection and processing using ODK (Open Data Kit). You will use your own Android device for data collection as well as internet-based data upload, storage, initial analysis and dissemination of results. We will also demonstrate additional analysis options using GIS and examples from a case study in the Philippines.	Klaus Schmitt, Ubo Pakes
Tackling Climate Change with Today's Technology	This session is on sharing of project (country and regional) experiences on application of innovative and practical digital technologies in climate change adaptation. It will be composed of two series of lightning talks on (1) Earth Observations - Remote sensing and earth surveying technologies; and (2) Maximising web-based tools for climate change adaptation.	Marie Rossetti, Terence Dacles
BMZ Water Strategy – New Basis for Official Development Cooperation Projects	The BMZ's new water strategy is a key contribution to the implementation of the 2030 Agenda and the Paris climate agreement. It is the binding basis for our projects and defines solutions for achieving these goals. It sets out the requirements for projects in the water sector, links mitigation and adaptation to climate change and the topics of peace and displacement. Projects in other sectors also needs to be in line with this strategy if they touch on water issues. For these cross linkages BMZ developed separate six strategic documents: 1. Education, health and food and nutrition 2. Sustainable economic development, employment and vocational training 3. Agriculture and energy 4. Environment and climate change 5. Good governance, urban development 6. Population growth and migration.	Falk Momber
Introduction to Human-centred Design Methods	Designing solutions with the user at the centre is one of the key factors for the successful development and implementation of products and projects. We will give you an overview of two methods – Design Thinking and Scrum – which use ideation and agility to design products evolving from user needs and test in a hands-on session Design Thinking ourselves	Christian Gmelin, Christian Merz, Lea Gimpel

SNRD Asia Thematic Workshops II (11:00–12:30)　　　　　　■ Digital ■ Non-digital

Titles	Summary	Contributors
Integrating Ecosystem Services into Planning and Decision-making: The Role of Economic Valuation and Digital Technologies	Ecosystem service valuations can be complex, time-intensive and costly; and results differ enormously depending on what is being measured and which methods are being used. In this session, we draw from past experiences (successful and not so successful stories) and discuss recommendations for using valuation as a tool for policy and planning processes in partner countries.	Alejandro von Bertrab, Dominic Stanculescu, Paulina Campos

LIST OF THEMATIC WORKSHOPS

Titles	Summary	Contributors
Approaches for Vertical and Horizontal Mainstreaming of Climate Change Adaptation in Thailand	A lot of countries are talking and acting on vertical and horizontal climate change adaptation mainstreaming. What are opportunities and challenges in Thailand? What is the governance structure behind the mainstreaming in Thailand? How to ensure the results from vertical and horizontal mainstreaming?	Heinrich Gudenus, Pimkarn Kattiyavong
From Pilots to Scale: Successful Approaches for Mainstreaming CCA in Water and Agriculture Sector	CCA takes place at local levels to compensate for the effects of a changing climate, and depends on institutional, political, economic, social factors, as well as policy direction provided by the government. To mainstream CCA, it is imperative to understand the links between climate change and national and local developmental needs, priorities and strategies. This is an iterative process and will follow the 'evidence-based policy making' process once risk and vulnerability assessments, socio-economic analysis, and demonstration projects reveal the need for making CCA an integral part of budgeting, financing, implementation and monitoring. The session focuses on approaches and activities that are required to ensure that development not only supports economic and social development but is also climate-resilient to ensure sustainability of development efforts. Experiences and perspectives on the local level planning for water and agriculture sector, would be the focus of this session including approaches to increase climate resilience of communities and infrastructure.	Deepak Chamola, Kirtiman Awasthi, Navin Horo, Rajiv Ahuja, Somya Bhatt
Participatory Governance Assessment of Protected Areas — A Tool to Help Meet GIZ Standards?	This session addresses in the first line anyone working in protected areas and natural resource management projects. However, (good) governance is a cross cutting issue and governance aspects are highly relevant to other sectors as well. Experiences with the governance assessment tool might provide valuable lessons and ideas which can inform and benefit other areas where GIZ is supporting partner institutions such as water resources management, development of transport possibilities, environmental impact assessments or small scale energy grids.	Adonis Gonzales, Barbara Lang, Bastian Flury, Oemar Idoe, Rudolph Elmo Dela Cruz
What's Smart about "Climate-Smart Agriculture"?	The term climate-smart agriculture (CSA) has steered up many controversial discussions in the development arena. Many people understand and interpret CSA in different ways. The first part of the session will discuss CSA in the context of sustainable agriculture and Agro-ecology. Secondly, based on a project experience from Ethiopia an innovative and provocative approach to deal with CSA will be presented, exercised and debated. The results of the discussion will help for a systematic understanding of CSA and might have far-reaching implications for the transformation of the agricultural sector.	Georg Deichert

LIST OF THEMATIC WORKSHOPS

Joint Conference Day | 16.05.2018

Cross-Cutting Thematic Workshops I (14:00–16:00)   ■ Digital ■ Non-digital

Topics	Summary	Contributors
Digitising Farming: Making Data Work for Smallholder Value Chains	Algorithms, platform, and communication. Together, these components make up an 'ecosystem' which builds the foundation for an effective future business model – vital in ensuring the success of digitization in the agricultural sector. What are the latest developments and trends in the sector? The big agribusiness is jumping in by investing millions into data –driven solutions while many start-ups compete for survival in the race for dominance of data connectivity platforms, using machine learning software applications; How do farmers and agribusinesses get value from data and big data? Starting from providing a framework and examples of applications for the profitable use of data and how data can generate value-adding services for different users, the workshop will provide practical insights from project experiences and applications drawn from a public private partnership using remote-sensing data for mapping fields to provide climate risk insurance (RIICE).	Anja Erlbeck, Florian Moder (tbc), Petra Jacobi (tbc), Pier Paolo Ficarelli
Mobility on the Move: Preparing for a Digital Revolution in Transport	Mobility on the Move will focus on the upcoming global disruption of the transport sector. A new wave of digital applications, such as artificial intelligence, mobile payment and tracking, automation, open data or Blockchain, will fundamentally transform the transport sector. The introduction of such applications will challenge existing power structures and mobility behaviours. New stakeholders and a shift of mobility paradigms will significantly change the way GIZ will engage with partners in the future. This workshop wants to explore implications to the mobility community.	Carolin Capone, Christian Mettke, Levent Toprak, Patricia Mariano
Smart Cities: Global Developments, Challenges and Cooperation Potential	Without much political guidance, various projects implemented by GIZ are working on how to guide smart urban development in the partner countries. The workshop discusses open questions and critical issues arising based on existing principles in the project implementation as well as needs for a smoother implementation in line with the German position on smart cities.	Marie Peters, Moritz Mang, Sarah Habersack, Sebastian Ibold, Luciana Maia (consultant), Vaishali Nandan
SDGs Go Digital - Four Software Tools that can Map and Visualise SDG Linkages for Tracking Synergies and Trade-offs	We want to dive into the web of SDG interlinkages and get to know four software tools that offer ways to simulate and visualise the complex network of the 169 targets and their indicators. Understanding SDG interlinkages is crucial for identifying synergies and trade-offs among different goals, sectors and development strategies for an integrated approach. As GIZ is also in the need to develop a model that can accommodate the complexity of the SDGs, the four presented software tools will give a first insight from external and internal practitioners. The following tools will be presented: 1.3-clicks to the SDGs 2.SDG-NDC tool 3.iSDG simulation tool	Holger Apel, James Rawlins (External), Lea Flaspoehler, Matteo Pedercini (External), Patricia Dorn, Ravindra Singh, Sascha Oppowa, Sven Egbers

Topics	Summary	Contributors
	4.IGES SDG interlinkages web tool	
The Potential and Pitfalls of Going Digital for Monitoring & Evaluation	Digitalisation touches all aspects of M&E – what we are monitoring and evaluating, the way we go about collecting data and who gets to have their voices heard, the kind of data we can access, all the way to how we are engaging with stakeholders and target groups on our findings, and how we are closing the learning loop. For the past decade, development organisations around the world have experimented with using ICTs for M&E and so have GIZ projects. There will also an example of the application of ICTs tools to monitor climate change mitigation in Indonesia and how GIZ projects facilitate such initiative. Join us for a discussion of the opportunities and risks, the gap between potential and practice and what vision we should aim for when using digital technologies for M&E.	Ursula Busert, Vera Scholz, Yuliana Cahya Wulan
An Introduction to the Use of Unmanned Aerial System (UAS) in Area Assessment, Monitoring, and Management: Experiences from the Land Programme in Laos and Biodiversity Project in the Philippines	Unmanned Aerial Systems or "drones" as commonly known are not only for recreational use but are already in use by GIZ programs in Laos and the Philippines. This workshop will look into the application and use of UAS technology in analysing and assessing environmental issues, land problems and solving land conflicts in Laos and the Philippines.	Franz-Fabian Bellot, Khamsone Lakmaitry, Nicole Bendsen, Philip Bontuyan
Systemic Constellations: A Reflective and Empathy-building Technique for Solutions Development in Tech and Development	Systemic Constellations is a reflective technique that allows participants to understand, through reflective individual and group dialogue and physical paper-based tools, multiple perspectives while creating mutual understanding of the big picture in the process. Participants will build a foundation for group-based inquiry by using Systemic Constellations to see the larger ecosystem of their work, and understand together with the other workshop participants how the most important actors in development, tech, government, and others can work together towards a common goal while identifying blocks and challenges along the way.	Florian Rehm, Hermes Huang (External)

Cross-Cutting Thematic Workshops II (16:30–18:00)　　　　🟧 Digital ⬜ Non-digital

Topics	Summary	Contributors
Enhancing Access to Information via Online Data Portal	GIZ has been working in mainstreaming innovative digital solutions while working with the partners in order to provide access to information and foster transparent decision-making processes. While working with organisations that are situated in countries/areas where there is either lack of data or knowledge gap in identifying meta-data sources, these three projects have designed IT-based technical solutions that have helped the respective organisations in – i) understanding the range of data that they have at their disposal, ii) how relevant data can be digitalised for information purposes, and iii) further enable faster decision-making within the organisation using these digital/online tools. These 3 examples show-cases solutions that have supported the partners in fully utilising the potential of the digital transformation.	Alokananda Nath, Hartmut Meyer, Konrad Uebelhoer, Raghu Babu Nukala, Yuliana Wulan, Yohanes Ariyanto
Sustainable Digitisation	GIZ through its efforts and collaborations adapt or design innovative digital solutions to further the bilateral mandates	Florian Moder, Navin Horo, Philipp Gassner

LIST OF THEMATIC WORKSHOPS

Topics	Summary	Contributors
	and contributions towards achieving SDGs. Next level of challenge however, is to ensure such innovations/solutions sustain and continue beyond our support – through mainstreaming or as a business model. The challenge also is to ensure such solutions remain adaptive and relevant during changing (challenging) scenarios and needs.	Rajiv Ahuja
Gender Mainstreaming: Actions Speak Louder than Words	Gender Mainstreaming is as well one of the biggest cross cutting topics in all climate sectors, adaptation as well as mitigation. Additionally, most projects are not aware about the potential and benefits to use the gender lens into the project implementation. Ms. Petra Mutlu, Head of Regional Department Southeast Asia and the Pacific, will welcome the participants, following by a key note speech by Ms. Annette Wallgren from UN Environment. She will give some insight view from her organisation and projects and will hand over to the panel discussion of hands-on examples from GIZ projects in the region, which demonstrates how to make the theoretical term "gender mainstreaming" usable.	Annette Wallgren (External), Eva Ringhof, Julia Nagel, Katherine Vinegas, Kirsten Orschulok, Petra Mutlu
Lost in Transformation? Let's Learn How to Change.	Transforming our societies is a bold challenge. Green transformation even more so. Our approaches for knowledge transfer, policy and incentive creation and capacity building will not be enough to convince whole societies. We need to find new ways of learning, value development and empowerment for all of us. Can you help us?	Cristina Georgii, Daniel Kehrer, Shailendra Dwivedi
Marine Pollution – A Call for a Cross-sector Defense Coalition	In pitch/geek format (3 pitches; each 5 minutes) we provide an overview of the most important facts and figures of land and sea based solid and liquid polluters, pathways and major effects, as well as relevant conventions. On that basis, we split up into world café format to discuss in small groups the importance of cross sector approaches to reduce marine pollutions from the various angles. Finally, conclusions form each group are brought together in a plenary session to provide guiding principles.	Franca Sprong, Nadine Bresemann, Mecki Kronen
Tapping the New Pot for Climate Finance – The Green Climate Fund and GIZ	GIZ has had a bumpy start with the Green Climate Fund (GCF). However, after a successful accreditation and the approval of a very first funding proposal, it seems that we are on track again to make this relationship work! In this session, we will exchange and reflect on lessons learned from engaging with the GCF as well as on future prospects, with perspectives from both – headquarters as well as projects from the region.	Ignacio Tourino, Marie Rossetti, Roman Roehrl, Sascha Oppowa, Sebastian Koch, Vera Scholz
The Future is Here! – Asia's Contribution to Mobility of Tomorrow	Looking at mobility and transport in Asia, one sees exciting new opportunities and trends emerging that may shape the world in the upcoming decades. But where exactly is the road heading to globally and how will this affect our work? This is what we want to find out through strategic foresight in a new project. In order to prepare this study, our workshop aims at gathering first-hand insights, suggestions and impressions from a region of this world that will be pivotal for the future of transport.	Christian Mettke, Daniel Bongardt, Johannes Uhl

TUEWAS Conference Day | 17.05.2018

TUEWAS Thematic Workshops I (09:00–10:30)		⬛ Digital ⬜ Non-digital
Titles	**Summary**	**Contributors**
Digitalising Data Collection and Management Systems for Cross-sectoral Issues	Tackling cross-sectoral issues such as (but not limited to) climate change mitigation and energy efficiency often require data collection and management systems that span from general to very specific data (e.g. product data, energy consumption of individual entities such as industries, buildings or households, etc.); digitalisation offers opportunities for advancing and institutionalising data collection and management systems. In this thematic workshop, we will examine 2 examples from different topics (with a cross-sectoral nature) that increasingly use and/or promote digitalised platforms or systems for data collection and management. Drawing from these examples, we will look at (1) how digitalising data management systems can improve coherency in designing/implementing/evaluating cross-sectoral policies and measures and (2) how we can tackle institutional and capacity-related challenges in order to advance digitalized data collection and management systems.	Denise Andres, Philipp Pischke
International Climate Negotiations and Climate Change Laws in Countries: Purpose and Effectiveness?	The international climate change negotiations will give the ongoing and upcoming GIZ mitigation and sectoral projects mandates for working on climate reporting and emission data issues. But most of the countries hesitate to implement also the already existing rules for transparency, although sectoral and/ or general climate change laws are in place.	Kirsten Orschulok, Navina Sanchez
Introduction to Human-centred Design Methods	Designing solutions with the user at the centre is one of the key factors for the successful development and implementation of products and projects. We will give you an overview of two methods – Design Thinking and Scrum – which use ideation and agility to design products evolving from user needs and test in a hands-on session Design Thinking ourselves	Christian Gmelin, Christian Merz, Lea Gimpel
Financing Energy Efficiency – Successes and Challenges	The session aims to promote a dialogue and knowledge sharing for exploring opportunities and challenges in financing energy efficiency. Sharing of achievements and challenges in mobilizing investment in EE in the partner countries will be the focus of the session. This includes exploring not only the challenges and barriers but also opportunities and the benefits in EE finance. It is envisaged that sharing of the experiences in the context of political and regulatory framework, market infrastructure and supply and demand of EE finance in the partner countries will put impetus on shaping up better future strategies for boosting energy efficiency finance.	Ali Maher, Anam Mudabbir, Anant Shukla, Nitin Jain, Sanjay Gorkhali
Shared Mobility - Nothing but a Hype?	Shared mobility has been hailed as a superb solution to provide mobility with low cost and low emissions. But, have people really adopted it? How important is it really? And what policies work to make it successful? This workshop wants to shed light on the question if shared mobility is the holy grail of urban transport or nothing but a hype!	Christoph Nedopil, Jeyashri Kisna, Sebastian Ibold,

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TUEWAS Thematic Workshops II (11:00–12:30)		Digital ▮ Non-digital
Titles	**Summary**	**Contributors**
DigEnerGISe - Digitalisation in the Electricity Sector	The common view is that digitalisation is triggering the next industrial revolution. For the infrastructure-intensive electricity sector, this means that fundamental truths may soon cease to apply. In addition, developments due to digitalisation in the environment of the electricity sector will result in new challenges for the sector.	Christian Mettke, Markus Wypior, Thomas Schmitz, Tobias Cossen
BMZ Water Strategy – New Basis for Official Development Cooperation Projects	The BMZ's new water strategy is a key contribution to the implementation of the 2030 Agenda and the Paris climate agreement. It is the binding basis for our projects and defines solutions for achieving these goals. It sets out the requirements for projects in the water sector, links mitigation and adaptation to climate change and the topics of peace and displacement. Projects in other sectors also needs to be in line with this strategy if they touch on water issues. For these cross linkages BMZ developed separate six strategic documents: 1. Education, health and food and nutrition 2. Sustainable economic development, employment and vocational training 3. Agriculture and energy 4. Environment and climate change 5. Good governance, urban development 6. Population growth and migration.	Falk Momber
Green Freight and Logistics		Hannah Ebro, Sarah Habersack, Wilasinee Poonuchaphai
How to Prepare Bankable Infrastructure Projects in Cities Ⓢ	You will act as the city of Banda Aceh to draft a bankable project idea to attract investments. You will analyse the city's overall potential and limitation, as well as potential financing options, and provide innovative ideas to market the project to financiers.	Chenzi Yiyang, Eva Ringhof

Showcasing Digital Tools and Other Project Initiatives

| 14.00 - 16.00 | Tuesday 15 May 2018

Tools/Initiatives	Contributors
Areas Physical Framework (APF)	Khamsone Lakmaitry, Philip Bontuyan
Digital Data Collection in Monitoring and Impact Assessment: Stumbling Blocks and Lessons Learned by the Land Programme in Laos	Vera Scholz
Embedding Climate Impacts in the Thai Agriculture Sector	Astari W. Dharma, Santikorn Pakdeesettakul
Exploring Virtual and Augmented Reality for International Development	Christian Gmelin, Lea Gimpel
Flying Robots for the Digitalisation of the Environment – Expensive Toy or Useful Tool?	Franz-Fabian Bellot
Food and Nutrition Security, Enhanced Resilience Programme	Neha Khara
INSTANT - Information System for Sustainable Land Development	Yohannes Ariyanto, Yuliana Wulan
Live Demonstration of on Site Operations – The New GIZ Project Planning Tool	Florian Moder
'Mobile for Tea Development' – Support for Tea Value Chain Development in Shan State, Myanmar	Matthias Plewa
PANORAMA	Ilona Porsche, Mechthild Kronen
Web-based Coastal Protection Plan for the Mekong Delta and its Potential as Tool for Climate-proofing Coastal Protection	Katharina Lotzen, Silke Bommersheim

| 14.00 - 16.00 | Thursday 17 May 2018

Tools/Initiatives	Contributors
App-to-Date SDG Contribution – A Digital SDG Monitoring Tool for CDIA	Chenzi Yiyang, Eva Ringhof
Autonomous Mobility – Can We Make Future Mobility Sustainable?	Christoph Nedopil, Sebastian Ibold
Digital Information System – Key to Change: Case of Industrial Parks in Delhi, India	Raghu Babu Nukala
Exploring Virtual and Augmented Reality for International Development	Christian Gmelin, Lea Gimpel
How to Fill Data Gaps with Chatbots	Julia Nagel, Kajarin Yotdam
Live Demonstration of on Site Operations – The New GIZ Project Planning Tool	Florian Moder
Participative Planning for Improvement of an Old Traditional Street Market, Bangalore, India	Deepak Baindur
Regional Alliance for Energy Efficiency in Building	Vikash Ranjan
Visualising GHG Emissions from Water and Wastewater Companies Through the ECAM Tool	Chutima Jongpakdee
Working in LINE	Imporn Ardbutra