AGENDA FOR USTEC MEETING

February 5, 2014, 11:30-2 PM Eastern Time

International Ballroom B, Level M2, North Tower, Omni Hotel, Atlanta

Phone: 866-764-4240
Passcode: 2370326

1) Greetings, adoption of agenda (All, 5 mins)
2) Review action items from last USTEC meeting (ZT, all, 10 mins)
3) Review of international activities - current status and plans (ZT, 30 mins)
   a. Notes from THORPEX ICSC (July 2013), CAS (Nov 2013), & THORPEX EC meetings
   b. Status & future of THORPEX WGs & 3 legacy projects
   c. Plans for the WMO World Weather Open Science Conference, Montreal, August 16-21
4) Report from THORPEX North American Regional Committee (Malaquias Pena, 15 mins)
   a. Recent activities and plans beyond THORPEX
5) Agency reports focusing on interest areas in weather research (30 mins total)
6) Report from US THORPEX Science Steering Committee (Edmund Chang, 15 mins)
   a. Recent activities
   b. Workshop planning
      i. Organizing committee (with agency participation?)
      ii. Date – location?
7) Discussion about US engagement with international weather research beyond THORPEX (All, 30 mins)
   a. Interest in THORPEX legacy projects
      i. S2S, PPP, HIW
   b. Interest in RDP & FDP projects (initiated elsewhere or from US)
      i. Lake Victoria, Seoul Winter Olympics
      ii. Weather Ready Nation, others?
   c. Desired US organization for coordination – new terms of references?
      i. Executive level – USTEC legacy - US Weather Research Council (USWRC?)
         1. Coordinates interagency engagement with international weather research
            a. Recommends US membership in WWRP WGs
            b. Recommends US engagement in or initiation of legacy projects, RDPs & FDPs
         2. Expand list of agencies?
      ii. Science level – US Weather Research Steering Committee (USWRSC?)
         1. Supports USWRC
2. Coordinates US participation in WWRP WGs, legacy projects, RDPs & FDPs
3. Identifies and reviews research topics/questions relevant for US agency priorities

8) Other topics (All, 5 mins)
9) Next meeting (All, 5 mins)
Febr. 5, 2014 USTEC Meeting notes

Present:
USTEC Members: Melinda Peng, Chungu Lu, John Cortinas, Zoltan Toth

Guests:
Mel Shapiro, Dave Mccarren, Jessie Carman, Doug Schuster, Sharan Majumdar, Yuejian Zhu, Renee Tatusko, Dan Eleuterio, Rebecca Morss

Discussion on TIGGE archive – NCAR intends to stops archiving at end of 2014, keep for a year see what happens; continue with cxml Tropical Cyclone archive

Yuejian reports about GIFS-TIGGE WG meeting in March

TIGGE archive at ECMWF continues, at CMA – not decided yet

Renee reports about CAS meeting

Cable will be sent to ZT

Jim Butler not nominated for Vice President of CAS

President nomination (from KMA) unchallenged

Korea hosts S2S office, they nominated Dr. Nam

Jim represents region 4 (Americas) on CAS Management Group

Greg Carmichael chair of joint science GAW

Sarah Jones chair later this year of Science Steering Committee of WWRP (replacing Gilbert Brunet)

Malaquias Pena report about S2S workshop organization at NCEP

local committee active

150 people expected next week weather permitting

reorganizing S2S groups

revise science implementation plan

Rebecca Morss (?) reports about HIW
Sarah Jones, Brian Golding leading intl effort for developing plan for this THORPEX legacy project

first week of June workshop to be held at NCEP

plans to be made more specific, narrow down scope

ZT: asks what connects pieces, experiments?

link with RDPs needs to be considered

Renee talks about local arrangements, NOAA hosts workshop, first week in June

Silver Spring, bldg 3, 4th floor

Renee reports

NOAA permenant rep received requests for possibly contributions to PPP, S2S Trust Funds

NRL, NSF, NOAA can consider contributing?

NSF not supporting Trust Fund, will support activities

NRL - same

within NOAA - made 20k from VCP

CPO will also pay? What is mechanism?

US academia and agencies prepare white paper after US post-THORPEX planning workshop

Renee reports about WWOSC preparations

Dr. Uccellini keynote speaker

special sessions on PPP, S2S

Febr 24 deadline for abstracts

NOAA - 20 OAR, NESDIS 10 people, NWS 5-7 people attending

Renee prepares group travel request for NOAA

5 from Navy (Carolyn, Melinda, etc)
Melinda - would like to attend June workshop

NSF publicly announced WWOSC meeting; university and NCAR scientists encouraged to attend

from NCAR, number of attendees

M. Morgan said an NSF proposal to support young attendees will be considered

Chungu Lu - is Aug meeting operationally oriented?

**ACTION - 1 Chungu Lu will talk with M Morgan, NSF support to be advertised**

Malaquias report on THORPEX North American Regional Committee (NARC) activities/plans

Discussions focused on mesoscale weather, Workshops held in past yrs

Canada, US, Latin America participating

Mexico well organized operationally, not much research

National Weather Services in region must support research

points of contacts have been identified

getting organized in region

legacy projects - high impact weather and S2S are of great interest to region

**ACTION - 2 Malaquias will talk with Sarah Jones about Latin American participation in HIW**

Severe Weather demo project initial phase could be in Latin America?

Melinda comments on weather research in Navy

Navy - all 3 legacy projects are relevant

Global coupled forecast system, ESPC, Dan Eleuterio is Program Manager

Sea Ice prediction, coupling, national NUOPC, sea ice workshop first week of April

**ACTION - 3 Edmund will place link to Navy workshop on THORPEX web site**
Severe weather - hrs to week project
overall research, direction linked with 3 legacy projects
Navy's work, not only NRL (ocean, sea ice)
new DRI on tropical cyclone outflow coming out
2 ongoing DRIs help shape ONR research, organize PIs
unified physical parameterizations for extended range prediction
seasonal prediction in general

Chungu Lu, NSF report
continue supporting research on all scales, large field campaigns supported
convective initiation is being addressed
mentions PECAN project - Plains Elevated Convection At Night – group of scientists
OWLeS is a core program, winter precip, field campaigns
large initiatives - Hazard Sees - 20M solicitation
Link with Weather Ready Nation - John Cortinas
Weather Ready Nation, follow-up by NOAA-NSF?
NASA link - hurricane field campaign contribution

Edmund’s report, USTSSC
Nov. 2013 – BAMS THORPEX Townhall report out
NSF proposal submitted, “Downstream” project, C Davis, Pat Harr – TNAWDEC link, collaboration
200 hrs of G-5 proposed; Edmund asks broader participation, 17 groups from 12 institutes from academia
There is a link with HIW
THORPEX workshop

Mel asks where is US initiative for US high impact program?

why sending US resources for Atlantic work, not Pacific?

He argues national collaboration needed

Sharan Majumdar

HIW project – forecast communication, response to disasters included

how we connect various pieces?

**ACTION - 4 Edmund sends out initial announcement after finalizing with his team about June workshop**

Looking at moving beyond meteorology, broadening community

John – be careful, don’t overpromise, if a lot spent on societal work, there will be less available for natural science

Rebecca – we need to reach out to experts in other fields

**ACTION – 5 Consider a telecom USTEC meeting ZT in April to discuss workshop preparations (Zoltan)**

**ACTION – 6 USTEC Telecon meeting after post-THORPEX planning workshop, to discuss workshop outcome and organization after THORPEX (what other agencies to invite, etc – Zoltan)**

**ACTION – 7 Edmund prepares workshop**

1) science initiatives

2) review existing and elected agency projects / interests

3) map 1+2; place US community comprehensive plan into context of 3 legacy projects; consider proposed RDP/fdp(s) from US that are also of interest to intl community?
THORPEX EC MEETING NOTES
10 June 2014

Alan Dickinson (chair), Peter Bauer (ECMWF), Gilbert Brunet (WWRP SSC), Brian Golding (HIW), Tetsuo Nakazawa (WMO/WWRP), Jim Caughy (WMO/WWRP), Zoltan Toth

Review of various action items (from recent ICSC, SSC, and EC meetings)

Action EC 05-02 - ZT explains US science community discusses priorities in 3 legacy projects; once defined, will be interested in forming post-THORPEX NARC (North or N+Central+S America); we will check how we can link this with CBS regional activities next JSC meeting in November 2014

Status of S2S – Brian briefs

meeting in US in Febr 2014, 100+ participants at NCEP

Trust Fund ongoing, Australia contributed, US also added, S2S is in good shape

13k will go toward supporting Febr meeting

Flier being developed for HIW

PPP report

Canada, UK contributed in 2013

US, Canada, Norway, Australia contributes in 2014

94k at end of 2014 expected (CHF)

need more contributions but in good shape

HIW report

US contributed, in-kind contribution by hosting workshop in Silver Spring

Brian, Sarah work on implementation plan

Flier for WMO EC being prepared, to draw attention

WMO EC may approve project, establishment of Trust Fund
TIGGE report

ECMWF positive to continue, NCAR not, CMA unclear

Australia not sending data now, will restart, others continue to provide

Action item 4.2, TOR for 2 new WWRP WGs (PDP+GIFS-TIGGE and DAOS)

“advancing science…”

to be finalized by end of 2014

to be approved by ICSC, SSC at their Nov meeting?

formally DAOS and dynamics/precitability/ensemble WGs to start in early 2015

DAOS to include all scales

PDEF - Predictability, Dynamics, Ensemble Forecasting - PDEF

WWRP new structure - follows pattern supported by USTEC:

WG supported financially by WWRP

term limited projects supported by Trust Funds

See diagram below on new WWRP structure – consistent with earlier USTEC recommendation

Sand and Dust Storm is becoming a project (instead of WG as before)

Parsons’ THORPEX review paper progresses well, will be presented at WWOSC

Expect to balance out THORPEX Trust Fund by end of year, after last ICSC meeting

THORPEX balance sheet – please indicate if you would like a copy from 10 June

Gilbert asks if 20k overspending would be ok, could WMO cover that? In case more funds are needed for WWOSC

discussion about how to close, Alan (ICSC) or WMO closes, whose act is it to close THORPEX Trust Fund?

ICSC meeting in Nov 2014:

1 day business, closing, no lose ends left
1 day science overview, celebration (with invited people)

Hall C underground room, for business day

bigger room needed for celebration day?

Elena from WMO will join, Michel Jarraud will be invited, etc

17-19 SSC, 19-21 ICSC meeting

Sarah Jones taking over from Gilbert Brunet as SSC chair