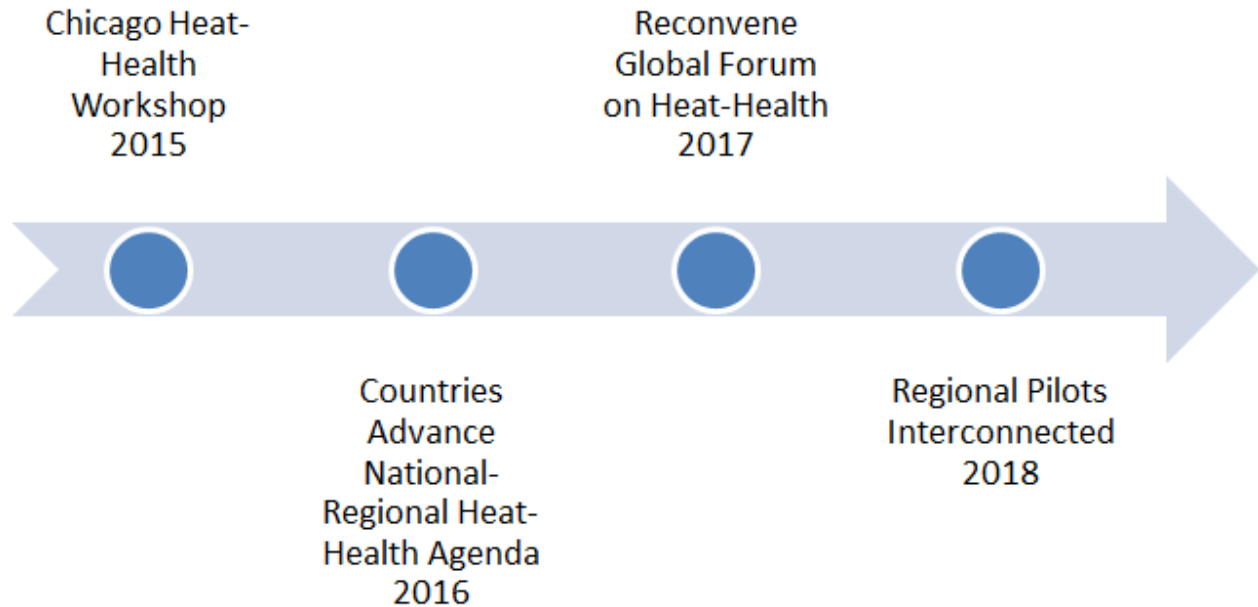


Climate Information for Heat Health Information Systems: Action Plan

[Can this be made into an infographic showing actions and status - something like a nice checklist/timeline.]



Local-Regional Actions

- Develop pilots of the National Integrated Heat Health Information System (NIHHIS) to sample local-regional differences in climate, vulnerability, research needs, capacity, and interventions.
 - Create and socialize NIHHIS concept to structure regional heat-health approach.
 - Engage federal partners with a stake in heat-health to harmonize approaches, and information, and develop combined capacity to prepare and respond.
 - NIHHIS pilots to be regional, with trans-boundary aspect, and focal cities.
 - Link efforts to:
 - North American Climate Services Partnership (NACSP)
 - North American Climate Change and Human Health Partnership (NACCHHP)
 - Global Framework on Climate Services (GFCS)
 - Global Climate Information System (GCIS)
 - NOAA Regional Integrated Science and Assessments (RISA) program
 - CDC Building Resilience Against Climate Extremes (BRACE) program
 - NOAA Regional Climate Services
 - USDA and DOI Climate Hubs
 - State Climatologists
 - US/Mexico Rio Grande/Bravo (RGB) NIHHIS pilot
 - Consider El Paso as hub
 - Work with Gregg Garfin to develop overall pilot, engaging CDC, UAZ, and TTU
 - Engage Mexico (highlight at GEO?)
 - Strong urban infrastructure, communication, outdoor worker, and lower-income focus.

- Northeast US and Canada NIHHIS pilot
 - Work with Canada (Jeffers) and Olga on vulnerability maps/info
 - Consider New York City and Boston as hubs
 - Strong city planning, design, and construction capabilities
- Midwest - Great Lakes NIHHIS Pilot
 - Consider Chicago as hub
 - Emergency management and housing / public health angles.
 - Work with City of Chicago to identify requirements for climate information on sub-seasonal, seasonal and other time scales.
 - Consider ways to connect to Canada
- Western NIHHIS Pilot
 - Connect NWS Western Regional Pilot with California public health and California RISA
 - Develop western region Heat Impact Level (HIL) code concept within the National Weather Service.

International Activities:

- Launch International Heat-Health Coordination Capability by 2017 to support (re)convening of Global Forum to coordinate international heat-health efforts.
- Develop, document, and prioritize research requirements for international heat health preparedness and risk reduction.
- Develop a common portal to harmonize heat health guidance, forecasts and other tools and information.
- Develop portal to track progress in implementing heat-health actions on early warning and climate timescales for all countries.
- WMO to add heat-health priority to Climate Outlook Forums (COFs)
 - Sri Lanka in April 2016
 - Mexico in November 2016
 - Caribbean [pending]

Multilateral Activities:

- Follow up with India
 - Join NYC discussion in 13-17 September 2015
 - Ensure connection with Climate and Health Workshop, September 22-24, 2015, India
 - Link with NRDC's India work to compare methods and prediction as they expand to other cities
 - Engage NOAA Monsoon desk for improved forecast
- Work with Germany to develop heat index or perceived temperature capabilities
- Work with ECDC to identify heat/VBD pilot (maybe NY-albany, or CA (Reisen)
- Work with Canada to use city/vulnerability approach in other locales (ie Rio Bravo/Grande project)
- Work with Mexico to establish heat-health activities in Mexico City Climate Outlook Forum
- Work with Bangkok, Hong Kong, and other Asian cities to establish regional heat-health capacity

Other Ideas for follow up

- Web portal for NIHHIS akin to NIDIS (the National Integrated Drought Information System)
- Workshop or outreach on Extreme Heat and Animals (pets and livestock)

- Plan for Follow up workshop in two years (June-July 2016) to evaluate implementation efforts stimulated or discussed at this workshop, best practices and new knowledge.
- Workshop focused on Communication of Risk and Related Decisions or Actions for Heat Health Information across time scales.
- Engage Broadcast Meteorology Community, Public Health and Emergency Management Officials to discuss the risks and benefits of communication of forecast and other heat products across time scales, to address concerns of forecast uncertainty related to health and, and the role of the media in public health preparedness and protection.
- Heat-Health Sessions at:
 - American Meteorological Society (AMS)
 - American Geophysical Union (AGU)
 - American Public Health Association (APHA)
 - International Society for Environmental Epidemiology
 - Others (especially discipline/trade specific)
- Engage Urban Climatology Community (downscaling, WRF nesting, etc...)