AG/Committee Name: Endocrine Disrupter Testing and Risk Assessment (EDTRA)

Submitted by: Karen Kidd and Annegaaike Leopold, Co-chairs Date: 18 May 2016

Council/Board Liaison: Roel Evens

Executive Summary
The Global Advisory Group (AG) on Endocrine Disrupter Testing and Risk Assessment (EDTRA) was initiated in 2012, reflecting important scientific and regulatory developments and the growing number of SETAC members from Europe, North America and South East Asia engaged in this area of research and decision making. The aim of the EDTRA AG is to 1) Serve as a focal point within SETAC globally as a means of involving the membership in research, and debate on endocrine disrupter risk assessment; 2) Stimulate critical assessment in order to establish the best available science; 3) Encourage the worldwide incorporation of the best available science and strategic approaches; 4) Advance the overall understanding of the fate, effects and potential risk assessment consequences of known and suspected endocrine disrupters; and, 5) Provide scientific support to ensure effective regulatory decision making. The AG meets these aims through the organization of technical sessions and courses at meetings, the production of technical papers and educational materials, and organization of discussion forums.

Organization
The Global AG on EDTRA was initiated in 2012, reflecting important scientific and regulatory developments and the growing number of SETAC members from Europe, North America and South East Asia engaged in this area of research and decision making. The Advisory Group is overseen by a Steering Committee with 19 members and that has two co-Chairs and representatives from all sectors and most geographic units of SETAC (see below for membership). The broader AG has 126 members.

Activities Summary
The current report covers activities of the EDTRA from the SETAC meeting in Salt Lake City, 2016, through to May, 2016, just prior to the face-to-face meeting in Nantes. Some of the main topics of conversation in this committee have been the development of short courses on endocrine disrupters that could be used at the chapter level and for scientists and non-scientists alike, ED sessions for annual meetings, workshops, scientific symposia and focused topic meetings (especially a recent Pellston workshop on hazard and risk assessment of EDCs) on critical issues related to ED.

1) Tom Hutchinson has stepped down as co-chair of this Advisory Group and his successor – Annegaaike Leopold – began her term in April, 2016. Thank you very much to Tom for all his contributions to the EDTRA AG.
2) A productive face-to-face meeting of the Advisory Group was held in Salt Lake City. Forty one people attended and discussions included updates on activities, ways to improve communications, and proposed sessions for annual meetings.
3) At the SETAC Europe meeting in Nantes there will be a session entitled “Endocrine Disruptors: Exposure, Hazard & Risk Assessment” on Wednesday May 25, 8:15 AM - 12:50 PM, Salle 300.
4) There were three sessions on endocrine disrupters held at the Salt Lake City meeting: “Lab Data, Hazard, Risk and Regulation of Endocrine Active Chemicals - So What? The
Big Picture from Little Pieces”, “Recent advances in endocrine disruptor screening; applications for ecotoxicology”, and “It takes a scientific community: Weight of evidence assessments and potential follow up testing to elucidate endocrine disruption”. From all accounts these sessions were very well received.

5) Several members of the SC and broader AG have led the development of a Pellston workshop on assessing hazard and risk for endocrine disrupters. The three main objectives were to resolve the scientific disagreement about how best to assess the impact of EAS, to develop guidance to assist regulators and policy makers in their decision making and to identify areas of uncertainty and knowledge gaps. Case studies were undertaken on 6 endocrine active substances (EAS – not necessarily proven EDS), representative of a range of endocrine system perturbations and considered to be data-rich in relevant information at multiple biological levels of organisation for one or more ecologically-relevant taxa. The ground work of the workshop was formed by the undertaking of case studies on 6 data-rich endocrine active substances. The workshop was held from 31st Jan – 5 February 2016 in Pensacola, Florida, and it included 3 student participants. Papers are currently being finalized from the workshop for submission to SETAC journals this spring and an executive summary is being circulated to organizations with interests in endocrine disrupters (i.e. UNEP, Endocrine Society, Society of Toxicology, etc.).

6) A poster session on the findings of the Pellston workshop on hazard versus risk assessment will occur at the SETAC Europe meeting in spring 2016 and a platform and poster session has been organized for the SETAC World Congress in Orlando to showcase the findings entitled “A SETAC Pellston Workshop® on Environmental Hazard and Risk Assessment Approaches for Endocrine-Active Substances Data”.

7) In addition, there are two other EDTRA sessions proposed for SETAC Orlando entitled “Lab Data, Hazard, Risk and Regulation of Endocrine Active Chemicals - So What? The Big Picture from Little Pieces” and “Strategies for Assessing Chemicals for Endocrine Activity: Making the Best Use of Screening-Level Information”.

Future Plans
Steering Committee membership will be reviewed soon and new members solicited as needed. At Salt Lake City, there will be discussion of new initiatives for the EDTRA Advisory Group including other short courses and outreach that could be developed related to EDCs, sessions to be proposed for upcoming annual meetings, targeted white papers, etc.

Business and Planning Meetings
This committee has two face-two-face meetings each year at SETAC Europe and North America meetings. In addition, there was one full-committee conference call in March, 2016 and email discussions within subcommittees between the Salt Lake City and Nantes meetings. Our committee meeting in Nantes is planned for Tuesday the 24th of May from 14:00 – 15:30 in Room M.

Membership Communications
Since the original idea of establishing this Global AG through to its formal launch in 2012, the feedback has been consistently positive from all sectors of the SETAC membership. Steering Committee business is done both through regular meetings and through emails among its members. The Communities website is used to post minutes and other documents for review by both the Steering Committee and the broader membership, and to email EDTRA members
with general announcements about sessions, reviews, etc. One of our Steering Committee members is also on the Human Health AG, providing a link between these groups.

One challenge has been to find ways to better engage the broader EDTRA membership in activities. As such, the Steering Committee has been reviewing how communications are done within other Advisory Groups and this is a point of ongoing discussion. The website for the AG was set up in September 2012 but the AG Steering Committee recognizes that more work needs to be done to increase the profile of our activities via this and other electronic media.

**Issues/Problems**

There are no issues to report.

**Current Committee**

*No. Steering Committee: 19*

*Total membership: 126*

Current Steering Committee (all appointed from July 2014 or earlier)

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<tr>
<th>Academia</th>
<th>Government</th>
<th>Industry</th>
<th>Consultants</th>
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<tr>
<td>Heiko Schoenfuss, USA</td>
<td>Gary Ankley, USA</td>
<td>Anu Kumar, Australia</td>
<td>Annegaike Leopold, Netherlands (co-chair)</td>
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<td>Taisen Iguchi, Japan</td>
<td>Dan Petersen, USA</td>
<td>Malyka-Galay Burgos, Belgium</td>
<td>Peter Mattheissen, UK</td>
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<td>Karen Kidd, Canada (co-chair)</td>
<td>Mike Roberts, UK</td>
<td>Frank Mastrocco, USA</td>
<td>Ellen Mihaich, USA</td>
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<td>Henrik Holbech, Denmark</td>
<td>Diana Míquez, Uruguay</td>
<td>Lennart Weltje, Germany</td>
<td>Tim Verslycke, USA</td>
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<td>Spencer Williams, USA (link to Human Health AG)</td>
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<td>Katie Coady, USA</td>
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<td>Tom Hutchinson, UK (past co-chair)</td>
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