**FACT SHEET Working Group 2 Task Team on:**

**Integrated PTWS sensor networks for tsunami detection and characterisation**

**Co-Chairs:** Dr Bill Fry (New Zealand) (April 2019 –

and Dr Tim Melbourne (United States) (April 2019-

|  |
| --- |
| Terms of Reference:This expert Task Team will establish and document a methodology to test the sensitivity of the PTWS sensing networks, integrating new and emerging techniques and technologies by:1. Developing a methodology for gap and sensitivity analysis that combines multiple sensing technologies for tsunami detection and characterisation.
2. Integrating emerging techniques and sensor technologies (e.g. better use of tide gauges; GNSS technology and processing; sensors on telecom cables) with the existing sensing network to meet tsunami warning service requirements.
3. Where possible, include cost-benefit analysis of the potential technologies being considered.

The Task Team will be composed of Tim Melbourne (United States), Bruce Howe (United States), Lara Bland (New Zealand), Bill Fry (New Zealand), Mike Angove (USA), Diego Arcas (USA), Stuart Weinstein (USA), Ken Gledhill (New Zealand) and Grigory Steblov (Russian Federation), Co-chairs to be elected by the ICG. |
| The following applies to all Task Teams:Languages: English, Spanish and FrenchMeetings: Meet intersessionally.Coordinator and Elections: Follow the rules of procedures applying to IOC Subsidiary Bodies. Chair who will be elected either by the ICG/PTWS or the members of the Task Team for two years with possible reelection of one term in the same position.Members and appointment: Nominated by member states in accordance with the rules of procedures applying to IOC Subsidiary bodies. Calendar of Intersessional work should be determined by the Task Team and included in the report.Duration of the Task Team: Two years.Reports: A final report has to be submitted two months before the parent body meeting and for each Task Team meeting within the two following months. Financial resources: At national expense.Amendments: As warranted by the Task Team. |
|  |

**Contact Details Working Group 1: Understanding Tsunami Risk**

|  |  |  |
| --- | --- | --- |
| **Name and Contact Details** | **Institution, Country** | **Email** |
| Tim Melbourne (United States) |  |  |
| Bruce Howe (United States) |  |  |
| Lara Bland (New Zealand) |  |  |
| Bill Fry (New Zealand) |  |  |
| Mike Angove (USA), |  |  |
| Diego Arcas (USA) |  |  |
| Stuart Weinstein (USA) |  |  |
| Ken Gledhill (New Zealand)  |  |  |
| Grigory Steblov (Russian Federation) |  |  |
|  |  |  |