

The DRD7 webpage

Elio Sacchetti, Hasan Shamas, Fadoua Guezzi-Messaoud, Jérôme Baudot

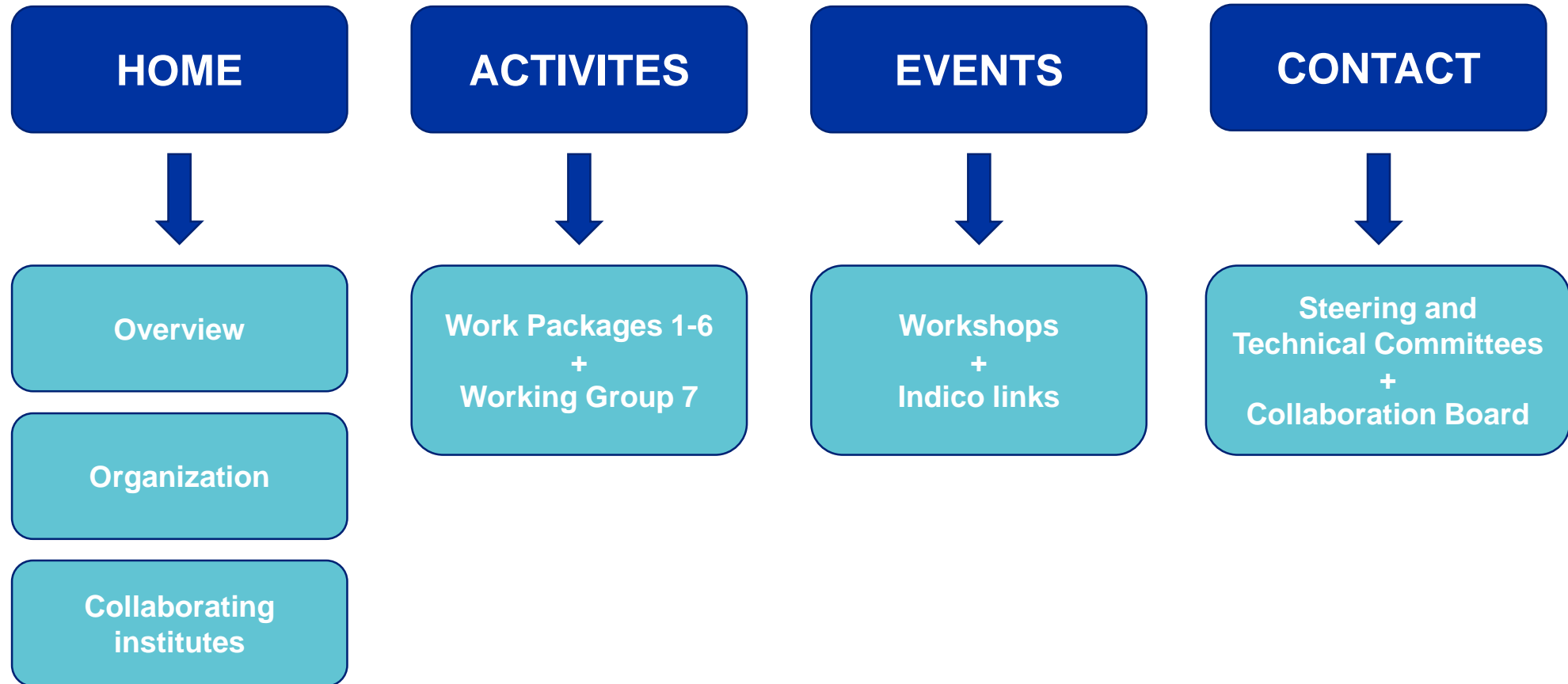
DRD7: R&D Collaboration on Electronics and On-detector Processing. 3rd workshop

9-10 Sept. 2024 - CERN

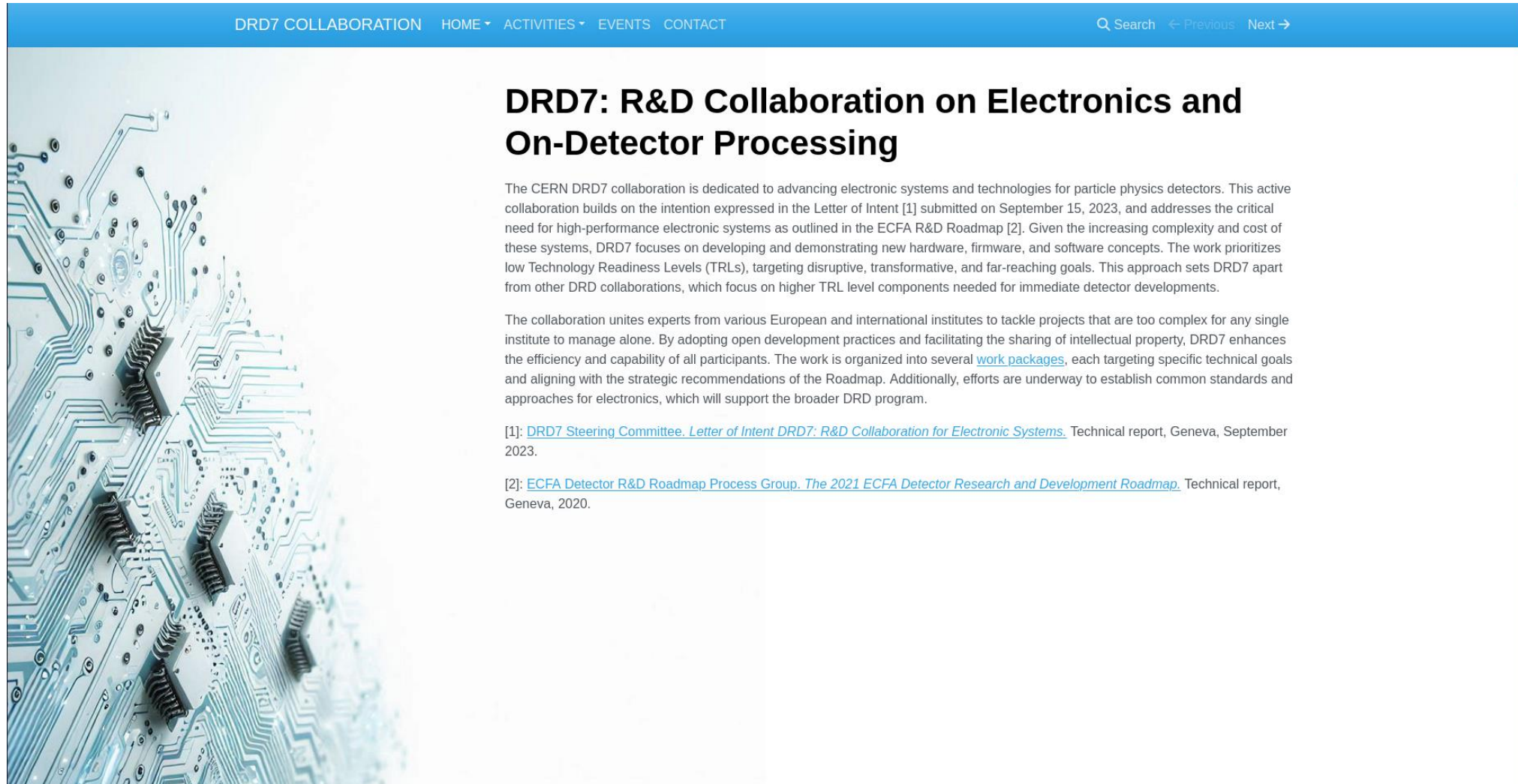
Generic informations

- **The DRD7 webpage is online** ! (main updates to come soon) – <https://drd7-test.web.cern.ch/>
- **Developed using MkDocs** (convenient for entry-level web developers)
- **Project leaded by C4Pi team (Strasbourg, FR):**
 - **Project leader:** Fadoua Guezzi-Messaoud (Analog and Mixed Signal Designer)
 - **Implementation + maintenance:** Hasan Shamas, Elio Sacchetti (PhD students)
- **GitLab repository:** https://gitlab.cern.ch/drd7/websites/drd7_website/

Website structure



Website overview

A screenshot of the DRD7 website homepage. The page has a blue header with navigation links: DRD7 COLLABORATION, HOME, ACTIVITIES, EVENTS, and CONTACT. A search bar and navigation arrows are also present. The main content area features a large image of a circuit board on the left and a text block on the right. The text block contains a title, two paragraphs of text, and two footnotes.

DRD7 COLLABORATION HOME ACTIVITIES EVENTS CONTACT

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DRD7: R&D Collaboration on Electronics and On-Detector Processing

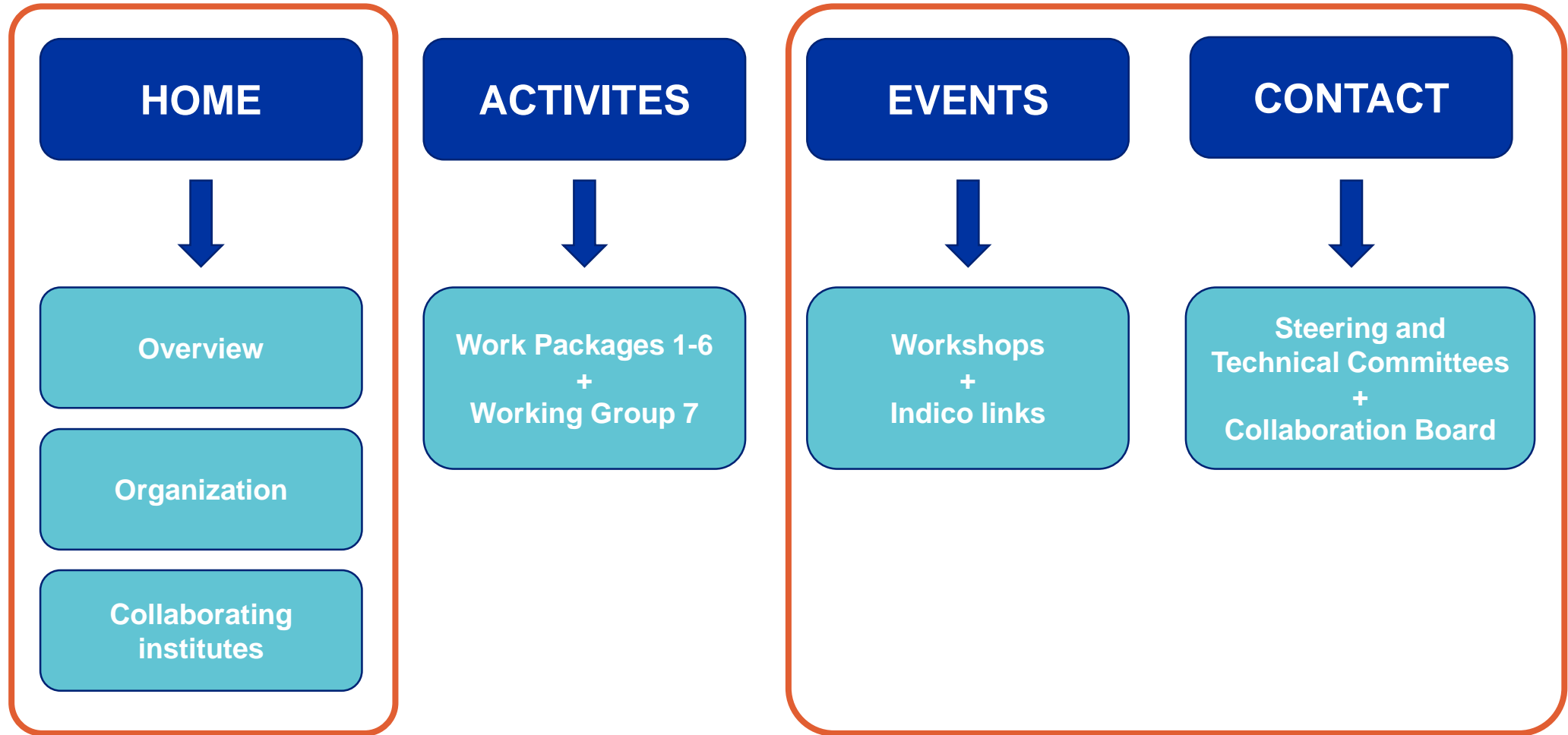
The CERN DRD7 collaboration is dedicated to advancing electronic systems and technologies for particle physics detectors. This active collaboration builds on the intention expressed in the Letter of Intent [1] submitted on September 15, 2023, and addresses the critical need for high-performance electronic systems as outlined in the ECFA R&D Roadmap [2]. Given the increasing complexity and cost of these systems, DRD7 focuses on developing and demonstrating new hardware, firmware, and software concepts. The work prioritizes low Technology Readiness Levels (TRLs), targeting disruptive, transformative, and far-reaching goals. This approach sets DRD7 apart from other DRD collaborations, which focus on higher TRL level components needed for immediate detector developments.

The collaboration unites experts from various European and international institutes to tackle projects that are too complex for any single institute to manage alone. By adopting open development practices and facilitating the sharing of intellectual property, DRD7 enhances the efficiency and capability of all participants. The work is organized into several [work packages](#), each targeting specific technical goals and aligning with the strategic recommendations of the Roadmap. Additionally, efforts are underway to establish common standards and approaches for electronics, which will support the broader DRD program.

[1]: [DRD7 Steering Committee. Letter of Intent DRD7: R&D Collaboration for Electronic Systems](#). Technical report, Geneva, September 2023.

[2]: [ECFA Detector R&D Roadmap Process Group. The 2021 ECFA Detector Research and Development Roadmap](#). Technical report, Geneva, 2020.

Website updates



Points to be discussed

- **EITHER** webpage with generic informations about each WP/WG,
OR more detailed webpages maintained by the WP/WG
- e-group management to be defined
- First complete version of the website by the end of October
- Comments or suggestions about the current proposal?

Thank you !

- **Many thanks to Szymon Kulis for his help**
- **Suggestions from the community are welcome:**
 - Fadoua Guezzi-Messaoud fadoua.guezzi-messaoud@iphc.cnrs.fr
 - Hasan Shamas hasan.shamas@iphc.cnrs.fr
 - Elio Sacchetti elio.sacchetti@iphc.cnrs.fr