



Research Project During European Championships – Participation Request

Roma, 22 April 2026

Dear Team Manager,

I would like to inform you that, during the upcoming European Championships in Rome, a research project will be conducted in parallel with the event.

This project aims to investigate postural stability in Para Archery and its potential relationship with performance. In particular, the focus is on understanding how different standing or sitting aids may influence body stability during the shooting process, and whether this may play a role in competitive outcomes at national and international levels.

To explore this, a field study involving Para Athletes is planned. The study will be conducted during the days of free practice and in the following days with athletes who are available at the training field. We kindly ask for the cooperation of participating teams in allowing their athletes to take part in this study.

The measurements will be carried out using a force plate to assess body sway immediately before and during shot release. To minimize any invasive influence on the athlete, a contact-free trigger system will be used. Athletes will be asked to perform two series of six arrows each while positioned on the measurement platform.

In parallel, existing methods and devices are being adapted to meet the specific requirements of outdoor measurements in archery. Particular attention is being given to ensuring that the system is suitable for non-laboratory environments—namely, that it is mobile, robust, and easy to operate.

Once the methodology has been finalized and data have been collected and analyzed, the results will be reported to World Archery. Based on these findings, recommendations for the development of a mobile system suitable for classification purposes may be proposed.

Please let me know if you require any further information or clarification.

Chiara Barbi

World Archery Head of Classification