Main points to expand in the document.

- Around 70 people coming from US, Japan, China and Europe, representing the communities working on CLVF, muon dipole moments, dark matter, high energy muon interactions, (muon collider, e-mu, ion-muon) met together with groups working on R&D on muon beams technologies in facilities world wide located in a dedicated workshop, muon4future, in Venice from May 26 to May 30.

- Theory predictions and experimental results: current status was presented and the future possibilities were discussed with a unanimous consensus on the importance of these measurements to investigate physics beyond SM.

- The R&D on muon beams is vibrant, improvements on the technologies show that this sector can open new possibilities, in any field.

- Already available facilities are renovating the infrastructure and new facilities are being constructed.

- Each community has submitted dedicated contributions to the ESPPU2025 highlighting the future potential and the need of resources asking for support.

- The outcome of the discussions is that these communities, despite their broad and diverse interests, can act as a community interested in advancing both fundamental physics and applied research through the use of muon beams. This community asks funding agencies and laboratories to provide sufficient resources to move forward.

- Identify the most important activities we ask support for (small number)