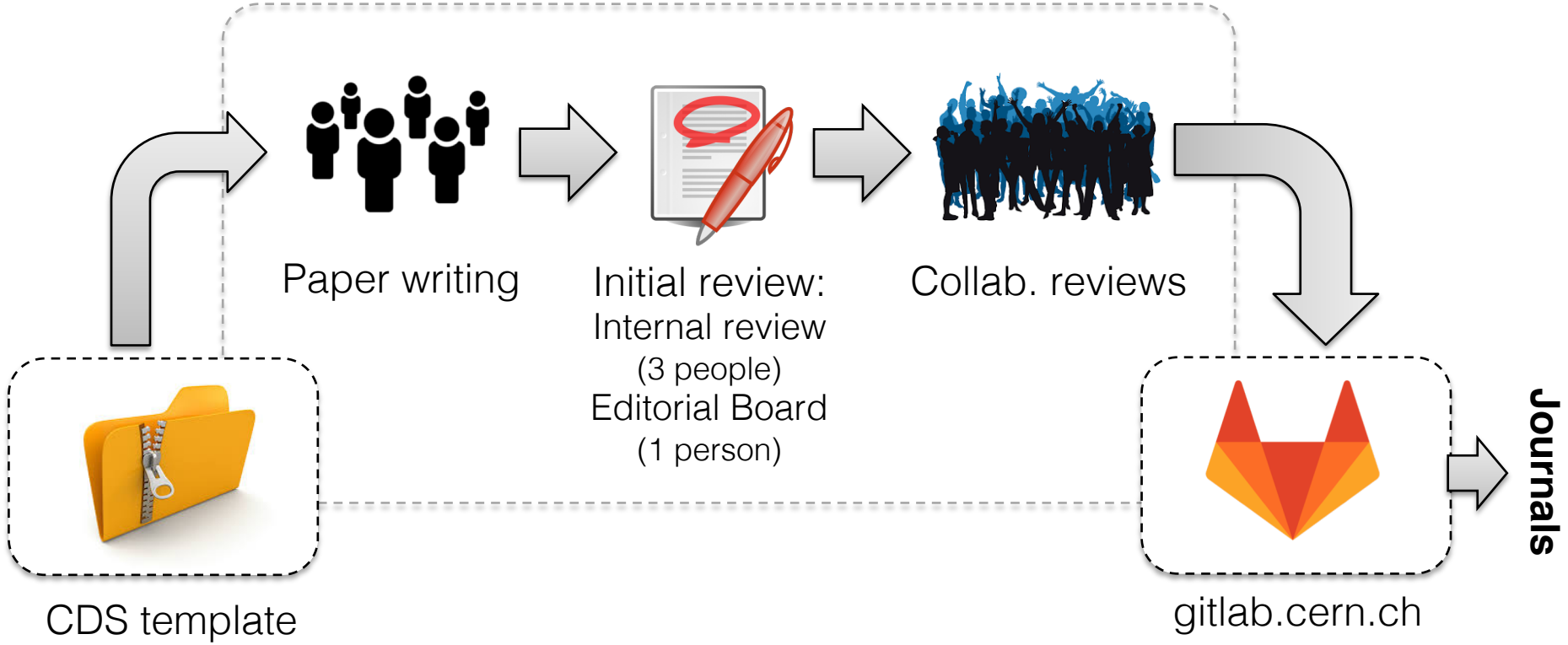
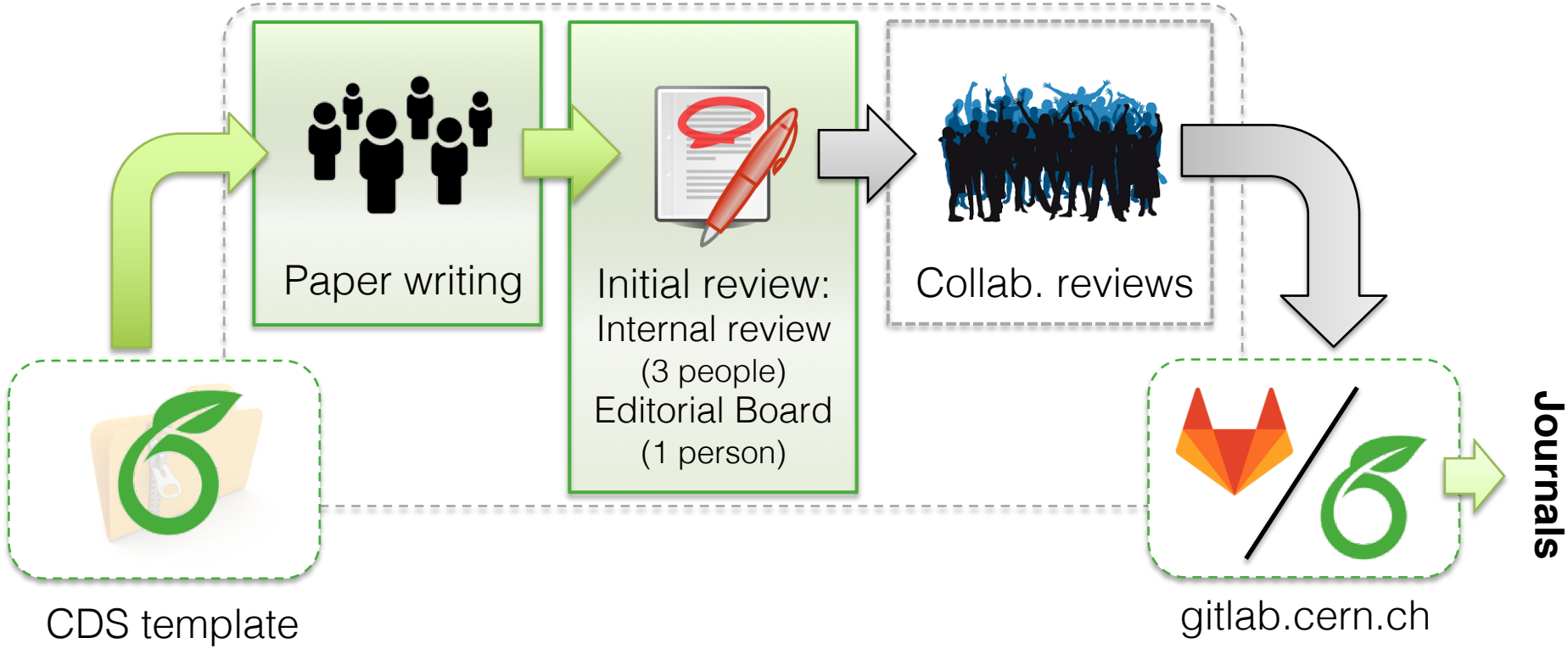
# Overleaf use case at CERN: ALICE

# ALICE workflow:
# Paper preparation, no overleaf




- Without overleaf: source code mostly only with the paper committees
- Internal and collaboration reviews: pdf-, mostly line-number-based

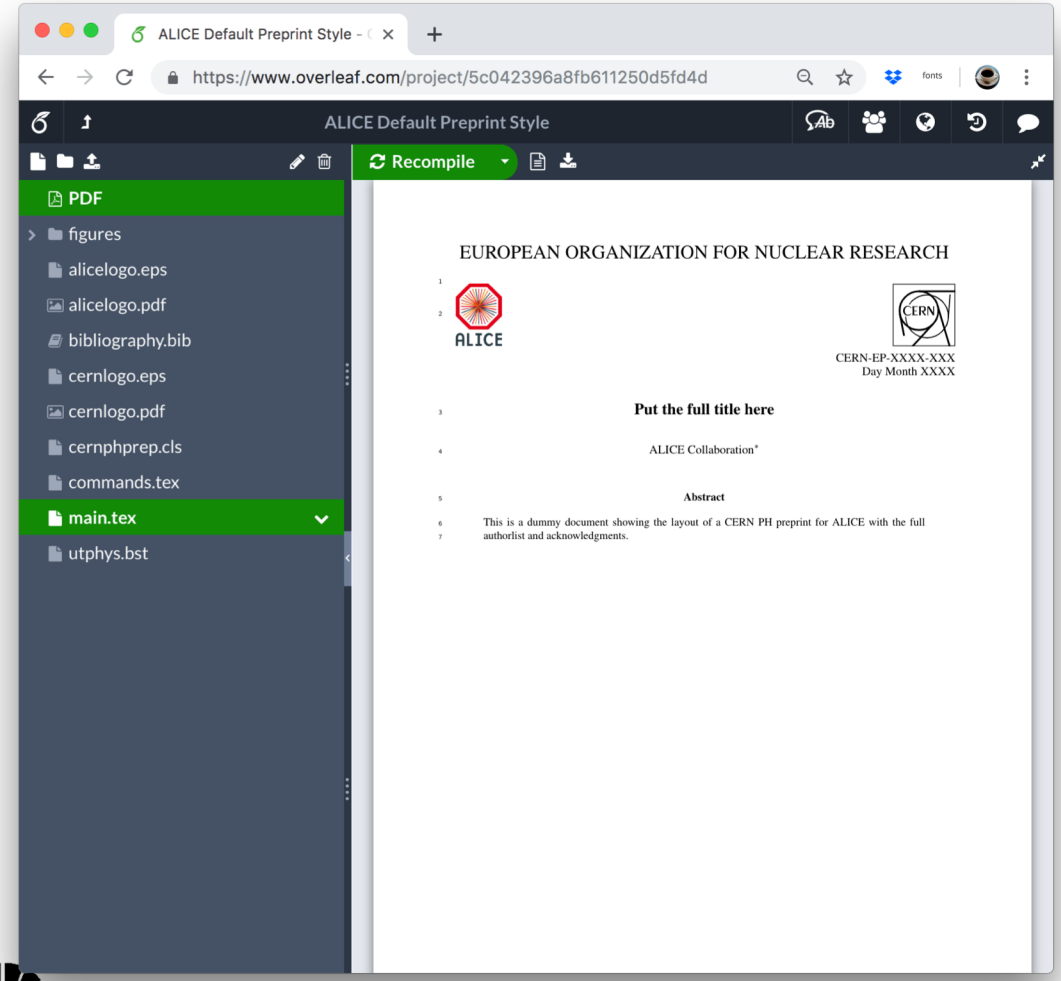
# ALICE workflow:
# Paper preparation, with overleaf




- With overleaf: project created centrally by EB chairs, shared with paper committee and internal review committee
- Collaboration reviews: pdf-, mostly line-number-based
  - Input from any collaborator + 4 dedicated institutes

The example starting point:

# Sharing the CDS template




Major advantages:

- immediately start writing even with little latex experience
- No installation, easy collaboration with other users

# Papers being prepared in overleaf: statistics

- Total number of papers in overleaf: **14**
  - Corresponds to ~25% of papers in preparation
  - Steadily increasing
- Total number of public notes in overleaf: **4**

- **Paper writing**: very positive experience, collaborators very interested. Not fully mandatory yet but 100% adoption expected soon.
  - Feedback received on some topics, more in a moment
- **Paper reviews**: only 1-2 test cases done for internal review committee editing, usage not yet widespread

# Feedback from ALICE users

## Requested often:

- **Latexdiff**: it is often necessary to visualize changes in a paper during the review process. Not possible in overleaf, would be nice even if only between ‘labeled’ versions

- **Single CERN user sign-on**: would simply hassle of logging in

## Would be nice to have:

- **gitlab.cern.ch integration**:
  - it would be ideal to have a full CERN gitlab <-> overleaf sync interface.
  - Disclaimer: it may already be possible, admittedly not tested recently. Work ongoing!

Thank you!