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WP5 Updates from Springer Nature and Overleaf

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FCCIS December 2022 Workshop

ADVANCING **DISCOVERY**

Recap

November 2020 FCC Week

From Manuscript to Publication:

Process and Data Requirements for a Modern Publication Result

June 2021 FCC Week
From collaboration to submission: taking a content-first approach to simplify report preparation

May 2022 FCC Week
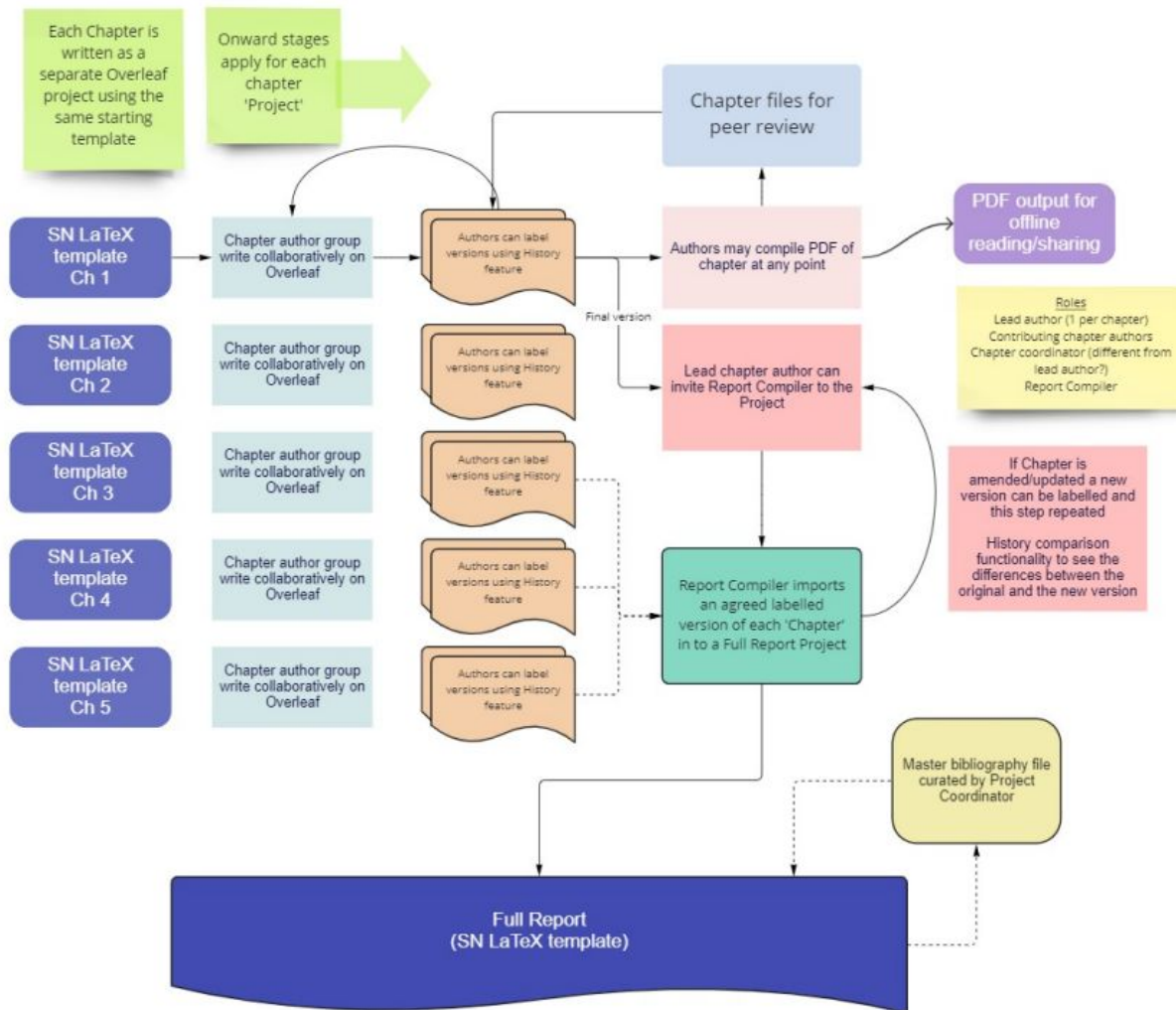
Updates on developments in progress

Today we will cover:
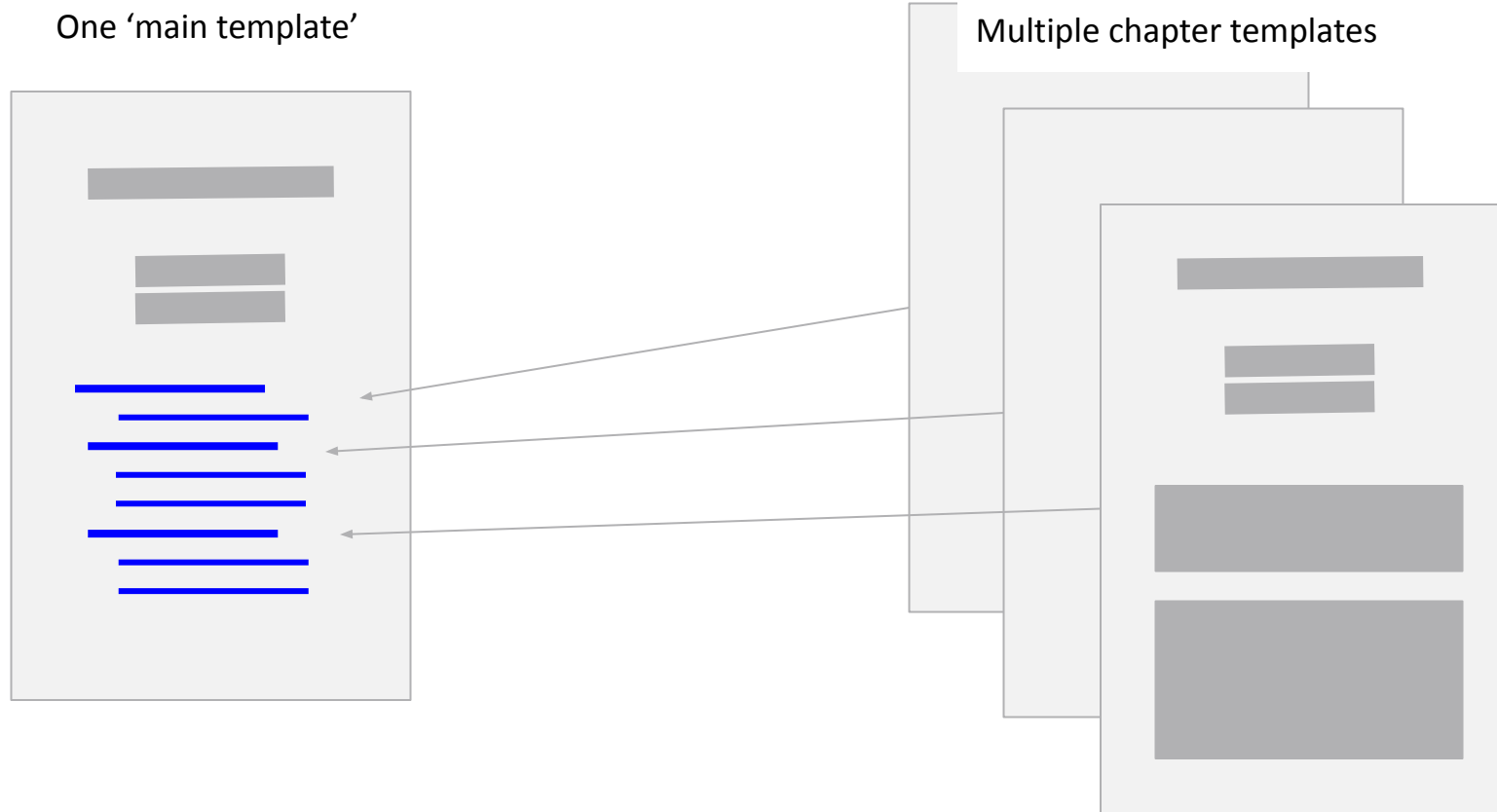
| Chapter-based workflow | Enhanced submission | XML-first production pilot | Overleaf feature updates |

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Chapter-based workflow

Each Chapter is written as a separate Overleaf project using the same starting template

Onward stages apply for each chapter 'Project'

Chapter files for peer review

SN LaTeX template Ch 1

Chapter author group write collaboratively on Overleaf

Authors can label versions using History feature

Authors may compile PDF of chapter at any point

PDF output for offline reading/sharing

Final version

SN LaTeX template Ch 2

Chapter author group write collaboratively on Overleaf

Authors can label versions using History feature

Lead chapter author can invite Report Compiler to the Project

Roles
Lead author (1 per chapter)
Contributing chapter authors
Chapter coordinator (different from lead author?)
Report Compiler

SN LaTeX template Ch 3

Chapter author group write collaboratively on Overleaf

Authors can label versions using History feature

If Chapter is amended/updated a new version can be labelled and this step repeated

History comparison functionality to see the differences between the original and the new version

SN LaTeX template Ch 4

Chapter author group write collaboratively on Overleaf

Authors can label versions using History feature

Report Compiler imports an agreed labelled version of each 'Chapter' in to a Full Report Project

SN LaTeX template Ch 5

Chapter author group write collaboratively on Overleaf

Authors can label versions using History feature

Master bibliography file curated by Project Coordinator

Full Report
(SN LaTeX template)

Templates to deliver consistency across chapters

One 'main template'

Multiple chapter templates

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Comprehensive user guidance

Template inline-guidance and user guide designed to address key pain points for multi-part and highly collaborative reports, as identified in previous workshops

1. For Chapter Editors

Each chapter should be created as a separate project in Overleaf starting with the base Feasibility Study Report chapter project template.

1.1 Sharing a Chapter project with contributing authors

You can invite each of your co-authors for the chapter using the Share button (circled as 1 in the following image).

For a co-author to work collaboratively on the chapter you should select the option "Can Edit".

To allow non-author group members read only access select the option "Read Only" (circled as 2 in the following image).

This will allow the authorship group for each chapter to work collaboratively on their chapter before it is collected into the full report.
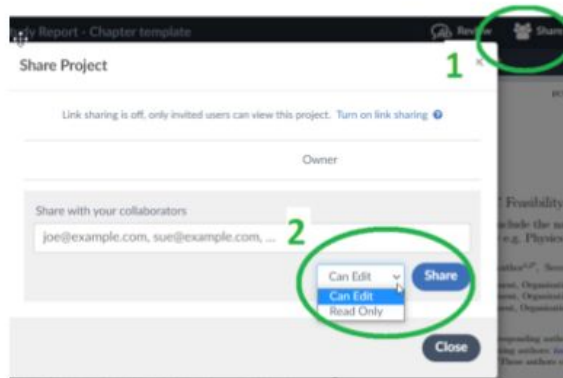
"Link sharing" is possible but please note that any user with the link will be able to access the project, therefore we recommend using the invite-by-email method.

You can find further information at https://www.overleaf.com/learn/how-to/Sharing_a_project

2. For Chapter Authors

As an FSR contributor you may belong to multiple chapter projects. Each of these will be visible in your project dashboard https://www.overleaf.com/project. Example shown below.
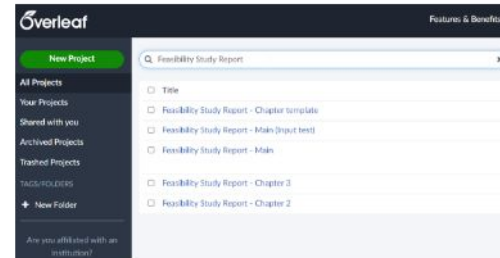
2.1. Before you start

Feasibility Study Reports must be written using the template provided. Doing so promotes consistency in style, formatting, and LaTeX package usage.

This is important because all chapters will be combined into one final report project.

Authors are requested to refrain from adding alternative packages and to follow any style guidelines written within the project template.

2.2 Starting a Chapter project

Only the lead author (Chapter Editor) should initiate the project from the Feasibility Study Report chapter project template landing page by clicking "Open as Template".
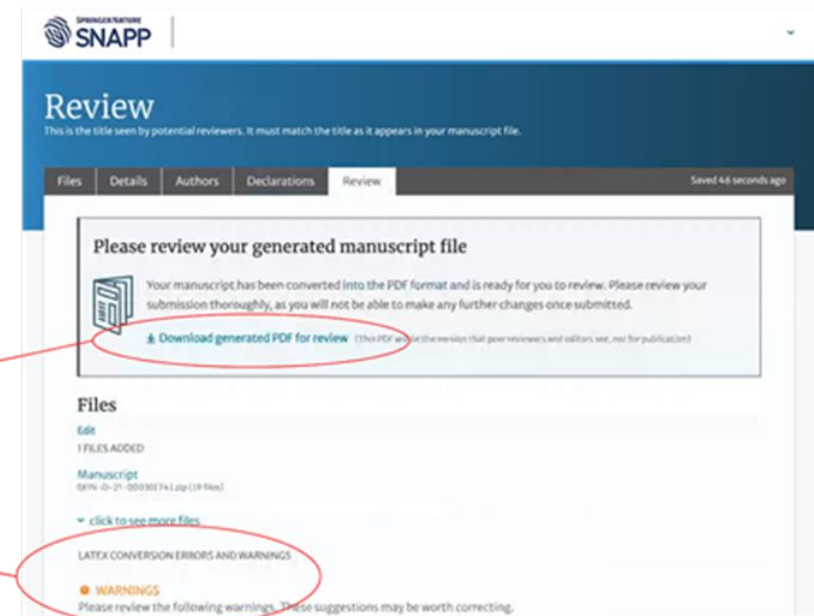
As a chapter co-author you will be invited to the chapter project environment by the lead author.

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Enhanced submission

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Enhanced LaTeX submission

Seamless LaTeX submission solution for Snapp —Springer Nature's new submission and peer-review platform

- submit .zip file bundles
- metadata is extracted and inserted in to the submission form
- PDF compiled using Overleaf (TeX Live 2022)
- user-friendly error messages

PDF generated via Overleaf

Errors and warnings are displayed (if any)

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XML-first production pilot

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XML first pilot update

XML First Workflow

⚡ Straive™

1 — XML file available in all the stages to delivery without any conversion

2 — Corrections are update directly XML using eProofing system

3 — Improve the content correction quality since author directly updating in XML, avoid the multiple rounds due to corrections are marking in PDF not clear

4 — Common workflow irrespective of inputs (Word/LaTeX)

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XML first pilot update

A pilot for xml first production and e-proofing has been running since spring 2022

EPJ Plus and EPJ Special Topics journals

To date 774 manuscripts have been successfully handled

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Overleaf feature updates

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Recent Overleaf feature updates

Meanwhile Overleaf has developed a number of new features and updates in 2022 to help authors write their papers more effectively. The most recent major updates are:

November:

- CodeMirror 6 release: a new source editor:
  https://www.overleaf.com/blog/towards-the-future-a-new-source-editor

September:

- Stop on First Error compilation mode:
  https://www.overleaf.com/blog/new-feature-stop-on-first-error-compilation-mode

August:

- TeX Live 2022 made available on Overleaf:
  https://www.overleaf.com/blog/tex-live-2022-now-available

June:

- PDF detach - new layout options!
  https://www.overleaf.com/blog/new-feature-ready-set-detach

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New source editor release
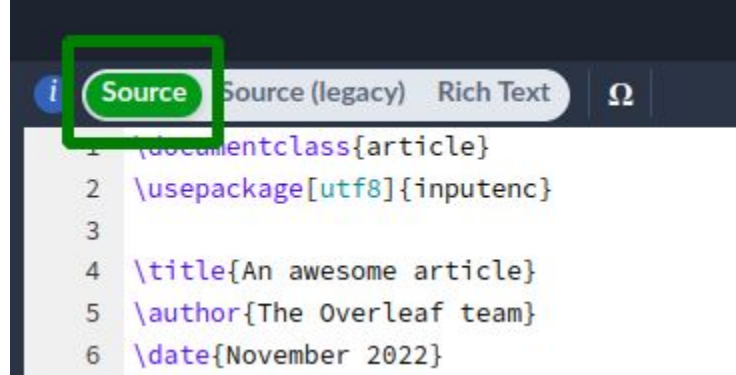
What's changing? You might not notice too much of a difference at first when using the new source editor, and that's good — the less disruptive a change is, the better! But here are some changes you might notice:

- If you have the Grammarly browser extension installed, this can now provide suggestions in the source editor (learn more).
- Interactions on mobile devices or tablets are more natural and aligned with standard browser behaviours.
- Editing with non-Latin text should be more robust.
- Visual and user interface changes (e.g. the find & replace panel has moved).
- Autocomplete suggestions, and syntax highlighting may be different
- Some keyboard shortcuts have changed, so make sure to check our documentation for the latest details.

We would appreciate it if you could give the new source editor a try and help us make it even better! If you find any issues with it, please let us know!

Stop on First Error compilation mode

www.overleaf.com/blog/new-feature-stop-on-first-error-compilation-mode

Overleaf's default compilation mode tries to **compile your LaTeX document despite errors**, which means the LaTeX compiler **does not stop if errors are detected**; instead, it attempts to best guess the user's intention and applies fixes based on that guess — problematic code may also be skipped.

Users can now change the LaTeX compilation mode by switching to the **Stop on first error mode** that forces Overleaf to terminate compilation immediately upon detection of the first error. You can enable it by selecting the small triangle next to the **Recompile button** then choosing **Stop on first error** from the Recompile drop-down menu:

Learning to debug errors is an essential part of learning LaTeX. The **Stop on first error mode** can help everyone from LaTeX beginners to experts learn and adopt good LaTeX coding habits!

TeX Live 2022 available on Overleaf

https://www.overleaf.com/blog/tex-live-2022-now-available

We're pleased to announce that we've upgraded our LaTeX compile servers to make TeX Live 2022 live and available on Overleaf! As of August 2022, all new Overleaf projects are based on TeX Live 2022 — you can read the blog linked above for the key information and important changes.

Note that this upgrade to TeX Live 2022 will not affect any existing projects you are working on created prior to the release in August. All existing projects will continue to use the TeX Live image they were created with, and should continue to work as normal.

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Ready, set… DETACH!

https://www.overleaf.com/blog/new-feature-ready-set-detach
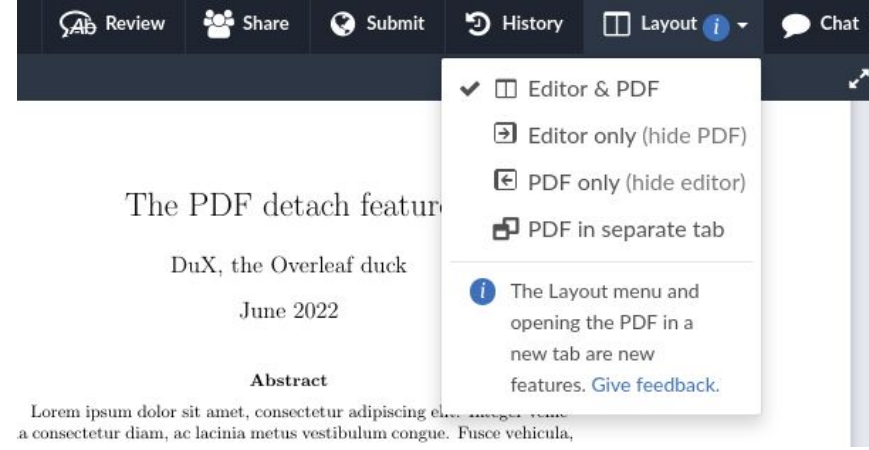
Back in June we were very excited to announce a brand new feature to rock your workflow: the PDF detach!

This feature allows users to see the PDF preview of their project in a separate tab, so they can use the code editor in full screen mode without losing the final view of the PDF. We know this was one of the most frequent feature requests made by users, and it's finally here!

That sounds awesome, so how does one enable this feature? This is the best part: it's already available out of the box! You will notice a new *Layout* option in the top bar. Just click and choose the best option for you!

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Summary

Chapter-based workflow	• Workflow design • Main and Chapter templates • User Guide
Enhanced submission	• Upload .zip supported on Snapp • PDF compiled using Overleaf • User-friendly error messaging
XML-first production pilot	• Pilot for EPJ Plus and EPJ Special Topics journals • 774 manuscripts successfully processed so far
Overleaf feature updates	• New source editor • Stop on first error mode compiler option • TeX Live 2022 • Preview PDF in a separate tab

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Thank you

The story behind the image

Alan Turing (1867–1934)

The scope of the achievements of Alan Turing, computer pioneer, wartime code-breaker and polymath, cannot be overstated. Renowned as the man who broke the Enigma code, Turing is also considered the father of computer science and artificial intelligence. His legacy is represented here with a visualisation of a "Turing Machine", a hypothetical device he devised to represent the logic of a computer. The binary code depicted translates to one of Turing's memorable quotes: Science is a differential equation. Religion is a boundary condition.

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