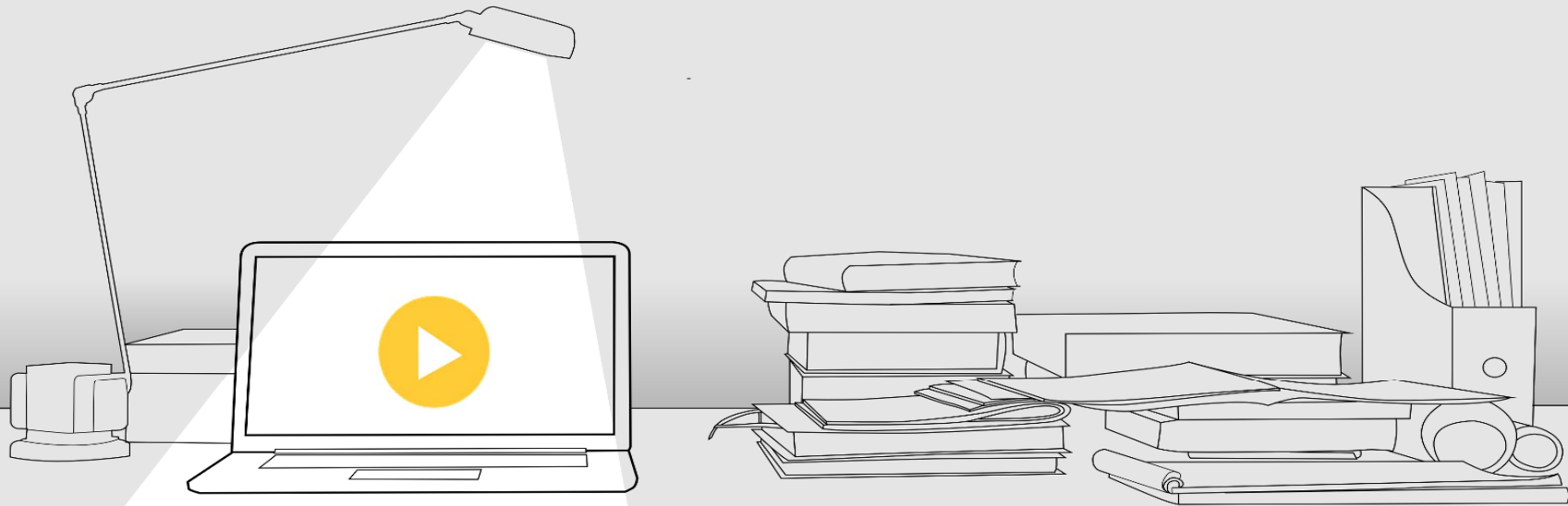




SCIPEDIA

Your Open Science and
Research Publishing Platform

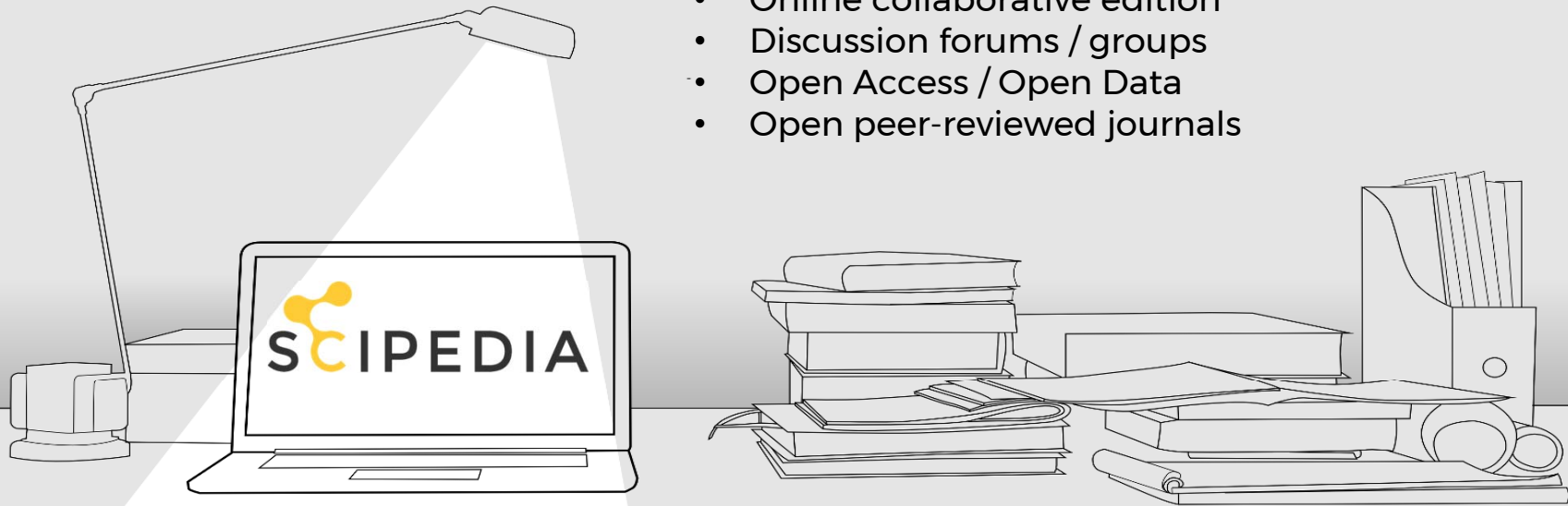


What can Scipedia offer ...

... for researchers?

... for Open Science?

- Personal / project / community profile
- Thematic / personal / project repositories
- Enriched web publishing
- Online collaborative edition
- Discussion forums / groups
- Open Access / Open Data
- Open peer-reviewed journals



What can Scipedia offer for researchers?

The screenshot shows a web browser window displaying the Scipedia profile of Eugenio Oñate. The browser's address bar shows the URL <https://www.scipedia.com/profile/onate>. The Scipedia logo and navigation menu (Profile, Library, My network, Groups, Help) are visible at the top. The profile header includes a profile picture, the name 'Eugenio Oñate' with a follower count of 179, and a 'CREATE A DOCUMENT' button. Below the header is a navigation bar with tabs for 'Activity', 'Profile', 'My publications', 'Experience', and 'Analytics'. The main content area is divided into several sections: a 'SEND A MESSAGE' box with a text input field and a 'POST' button; a 'PROFILE STRENGTH' indicator showing 89%; a 'YOUR PROFILE IS COMPLETED' notification with a green checkmark; an 'INFORMATION' section with links for 'Submit your paper', 'Become a publication editor', 'Open access', and 'Contact us'; and a 'COLLEAGUES' section with an 'INVITE COLLEAGUES' button and a list of colleagues including Mariano Padilla (96 followers) and Eugenio Muttio (295 followers). The 'My publications' tab is active, showing a list of documents published 'yesterday' with titles such as 'Analysis of the discharge capacity of radial gated spillways using numerical modelling application to Oliana dam' and 'Modeling and simulation of the effect of blast loading on structures using and adaptive blending of discrete and finite element methods'.

- Personal profile
 - Overview
 - Publications
 - Experience, skills
 - Google Scholar link
- Activity panel and messaging tools
 - Public
 - Followers
 - Groups
- Personal repositories
- Analytics

What can Scipedia offer for researchers?

The screenshot displays the Scipedia profile page for Eugenio Oñate. The browser address bar shows the URL <https://www.scipedia.com/sj/eorr#>. The page header includes the Scipedia logo and navigation links: Profile, Library, My network, Groups, and Help. A search bar is located in the top right. The main content area features a banner for 'Eugenio Oñate's Research Reports' with a description: 'Eugenio Oñate's Research Reports is an online archive aimed at collecting, preserving, and disseminating digital copies of the research reports written by prof Eugenio Oñate.' To the right of the banner is a sidebar with statistics: DOCUMENTS (58), VIEWS (568), SCORE (5), and SCORE PERCENTILE (100). Below the banner is a search bar and a list of publications. The first publication is 'Advances in the DEM and coupled DEM and FEM techniques in non linear solid mechanics', published on 01/01/17, by Eugenio Oñate, F. Zárate, M.A. Celigueta, J.M. González, J. Miquel, J.M. Carbonell, F. Arrufat, S. Latorre, and M. Santasusana. The second publication is 'Unified Updated Lagrangian Formulation for the Analysis of Quasi and Fully Incompressible Fluids and Solids and their Interaction via a Partitioned Scheme and the PFEM', published on 01/01/14. A footer banner for 'PLATFORM FOR AIRCRAFT DRAG REDUCTION INNOVATION' is also visible.

- Personal / thematic repositories for self-archiving:
 - Papers (preprints, ...)
 - Research reports
 - Monographs
 - ...
- Customized page
 - URL
 - Title and banner
 - About and info
 - Statistics
- Search tools
- Indexing support (metadata)

What can Scipedia offer for researchers?

The screenshot shows a Scipedia document page for 'Advances in the DEM and coupled DEM and FEM techniques in non linear solid mechanics'. The page includes an abstract, a full document view, and a sidebar with document information, score, and sharing options. Annotations highlight several key features:

- PDF viewer**: Located at the top right of the document content area.
- Online editor to add:**
 - text, references, links
 - datasets
 - video
 - ...
- Linked to authors/inst. profile**: Indicated by small profile icons next to author names.
- Information**: A general category for the document's metadata.
- Indexing support (metadata)**: Refers to the document's structured data.
- Keywords (tags)**: A list of tags at the bottom of the page, such as 'Turbulent modeling', 'Stabilized finite element', and 'Incompressible Navier-Stokes'.
- Categories**: The document is categorized under 'Advances in the DEM and coupled DEM and FEM techniques in non linear solid mechanics'.
- DOI and doc. info**: The document has a DOI and is licensed under CC BY-NC-SA.
- Licence**: The document is licensed under CC BY-NC-SA.
- Other utilities:**
 - Discussion forum
 - Revisions history
 - Share this document
 - Document score
 - Views / recommend.

What can Scipedia offer for researchers?

Hydrodynamic analysis

Es seguro | https://www.scipedia.com/public/Draft_García-Espinosa_664570884

Aplicaciones | Fossil Compass | Real Academia Española | WordReference | Linguee | Traductor de Google | MEGA | Walluastreet

OTROS MARCADORES

SCIPEDIA | Profile | Publications | My network | Groups | Help

Repository of the International Center for Numerical Methods in Engineering (CIMNE)

Time domain simulation of coupled sloshing-seakeeping problems by SPH-FEM coupling

Borja Servan Camas | J.L. Cercós-Pita, Jonathan Colom Cobb | Julio García-Espinosa

How to cite | Document data

Read document | Edit | Visual Editor | Edit data | History

Case 1: Cable under its self weight [edit]

The first case is based on that presented in [47]. It consists of an isolated cable, with fixed ends, subjected to its own weight. Initially the cable has a flat form. The expected deformation is a U form, and the reactions at the ends must be equal to the cable weight. The properties of the cable are: the stiffness $EA = 50$ N, the weight per unit length $w = 0.4$ N/m, and 14.1421 m of span length.

Next, a video of the analysis case 1 is presented.

OC3 spar buoy wind turbine coupled simulation

Video 1: OC3 spar buoy wind turbine simulation (analysis case 1).

The first case below includes the results of the time evolution of the cable under its own weight (corresponding to Case 1).

case_1.xlsx

References [edit]

[1] Breton SP, Moe H. Status, plans and technologies for offshore wind turbines in Europe and North America. *Renew Energy*. 2009;34:646-54.

[2] Karimirad M, Meissonnier Q, Gao Z, Moan T. Hydroelastic code-to-code comparison for a tension leg spar-type

GET PDF | GET EPUB

DOCUMENT INFORMATION

Published on 22/03/17

DOI: 10.1016/j.rimni.2015.09.003

Licence: CC BY-NC-SA license

DOCUMENT SCORE

5

Views 0

Recommendations 3

SHARE THIS DOCUMENT

KEYWORDS

Sloshing • Coupling • SPH • FEM • LNG • Seakeeping

STRUCTURAL MEMBRANES 2017

Munich, Germany - October 9-11

- Enriched web format
- text, references, links
- datasets
- video
- ...
- Online (collaborative) edition
- Linked to authors/inst. profile
- Information
 - Indexing support (metadata)
 - Keywords (tags)
 - Categories
 - DOI and doc. info
 - Licence
- Other utilities:
 - Export to PDF and EPUB
 - Discussion forum
 - Revisions history
 - Share this document
 - Document score
 - Views / recommend.

What can Scipedia offer for researchers?

Every document has a discussion forum (for authors and registered users)

The image is a collage of several screenshots from the Scipedia website, illustrating its features for researchers. The top-left screenshot shows a document titled "A computational model for the evaluation of the spray generation of a Wave Adaptive Modular Vessel" by Julio Garcia-Espinosa, Eugenio Oriate, Borja Servan-Camas, and PA Becker. Below the title is a discussion forum with a post from Prof. Sergio Idelsohn, dated 337 days ago. The top-right screenshot shows the same document's details, including a "DOCUMENT SCORE" of 0, a "PRESENTATION" section with a video thumbnail, and a "SHARE THIS DOCUMENT" button. The bottom-left screenshot shows a video recording of a presentation titled "Computational Crystal Plasticity for the D..." by Antoinette M. Maniatty, with a play button and a "Recording of the presentation" section. The bottom-right screenshot shows the "SHARE THIS DOCUMENT" and "KEYWORDS" sections, with keywords including "Computational crystal plasticity".

Archive all your work
(presentations,
conference or seminar
videos, data, ...)

What can Scipedia offer for Open Science?

Open up your research

- Create a profile for your open science community or project
- Build an active community of contributors around your open research project
- Create and manage discussion groups around your project
- Connect and collaborate with researchers from around the world
- Share your work at any stage of the research cycle
- Receive contributions from your colleagues
- Create repositories to archive and share your research reports and data
- Work collaboratively on your research reports (online editor / version history) and open discussion forums about them
- Create and manage collaborative open peer-review journals on your research topics


Es seguro | <https://www.scipedia.com/institution/aulas.cimne.com>

Aplicaciones Fossil Compass Real Academia Española WordReference Linguee Traductor de Google MEGA Walluastreet

SCIPEDIA Profile Library My network Groups Help

Red Aulas CIMNE Aulas CIMNE Network Barcelona (Spain)

Overview Contributions Members Analytics



Aulas CIMNE Network Project

The clear need to generalize knowledge and application of Numerical Methods in a global context is behind the idea of the creation of "Aulas CIMNE" (note "Aulas" is the Spanish word for "Classroom") specialized in this discipline and distributed worldwide. The Aulas CIMNE Network aim is to become key in promoting the exchange of knowledge and tools between different types of entities relevant to the world of Numerical Methods. Also intended to be a source to support those groups that in the process of growth can greatly benefit from the services offered.

Objectives

- Be recognized worldwide as the network of expert units in the field of Numerical Methods applied to engineering.
- To be an international network with Aulas CIMNE established in every continent.
- Create free international exchange of knowledge and tools in numerical methods, among Network members through previously established policies.
- Support with computers, software, library materials, etc., all those members who, at the time

INFORMATION

Address
CIMNE TECNOLOGÍA, S.A. Gran Campus Nord
Edificio B0, Campus Nord UPC, Barcelona
08034, Spain

Website
<http://aulas.cimne.com>

MEMBERS

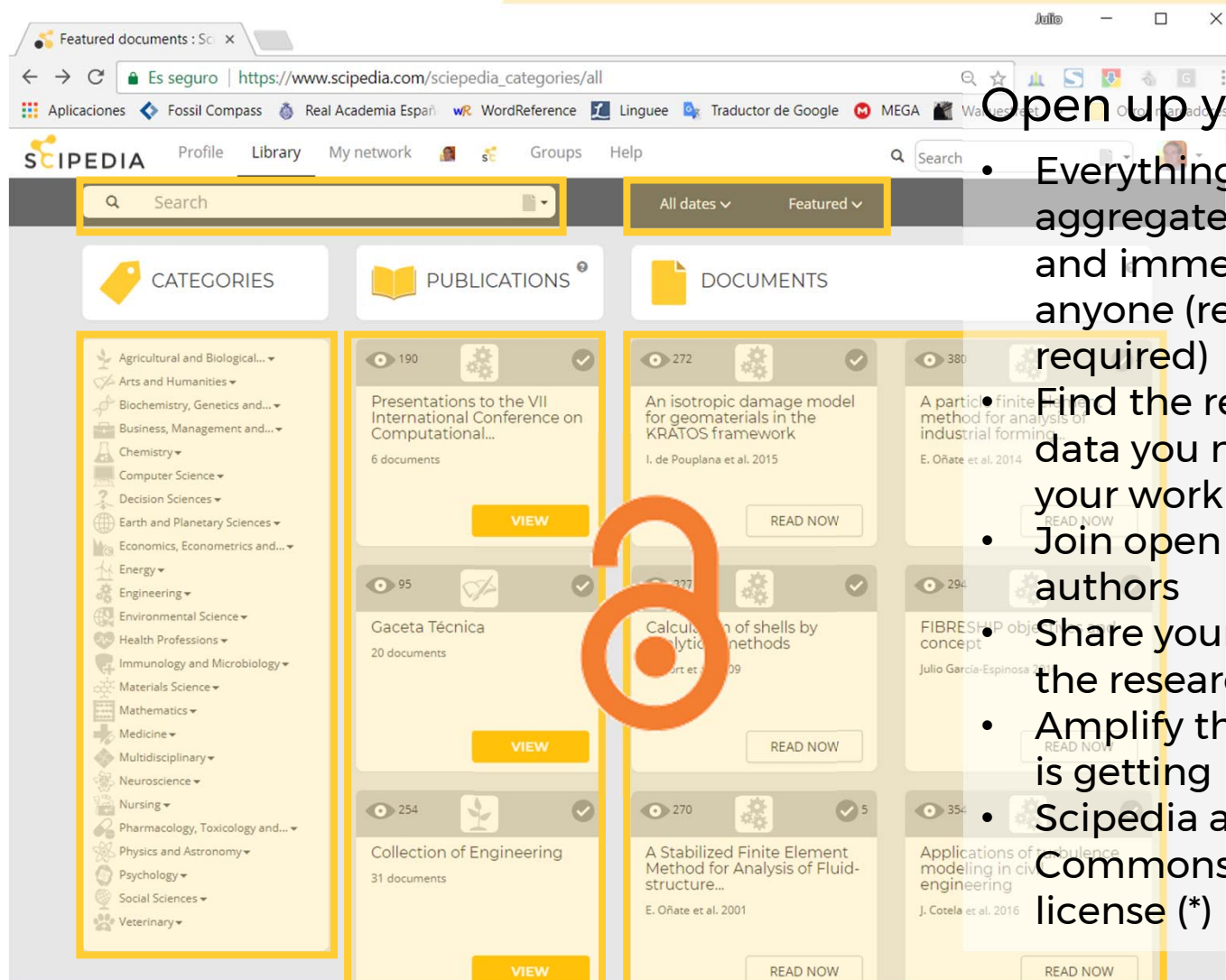
ANALYTICS

Reputation score 6564

Contributions 1006

Views 8840

What can Scipedia offer for Open Science?



Open up your research

- Everything Scipedia publishes / aggregates / archives is freely and immediately available to anyone (registration is not required)
- Find the research papers and data you need to help you in your work
- Join open discussions with authors
- Share your work at any stage of the research cycle
- Amplify the attention your work is getting
- Scipedia applies the Creative Commons Attribution (CC BY) license (*)

What can Scipedia offer for Open Science?

Social network tools such as ...

The image is a collage of four screenshots from the Scipedia website, illustrating its social network features:

- Top Left:** A user profile for Julio García-Espinosa. The "My network" tab is highlighted, showing a list of colleagues.
- Top Right:** A user profile for Eugenio Oñate. The "Profile" tab is highlighted, showing a "CREATE A DOCUMENT" button and a "PROFILE STRENGTH 89%" indicator.
- Bottom Left:** A "My network: following / follower" view showing a list of colleagues with their names, profile pictures, and follower counts.
- Bottom Center:** A group page for "Validation of computational models". The "Groups" tab is highlighted. The page includes an "ABOUT" section, "GROUP DISCUSSIONS", and a "Journal of Validation of Computational Models" entry.
- Bottom Right:** A messaging interface showing a "SEND A MESSAGE" form and a list of recent messages.

Additional text elements on the collage include:

- Activity panel** (bullet point)
- Messaging** (bullet point)
- Groups** (text label)

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What can Scipedia offer for Open Science?

The article is made public immediately after being sent to the open journal

A discussion forum is then open for any registered user to add review comments.

The authors should answer all the comments and if required correct or improve the paper accordingly.

The reviewer can reply or recommend (vote) the paper to be published or rejected.

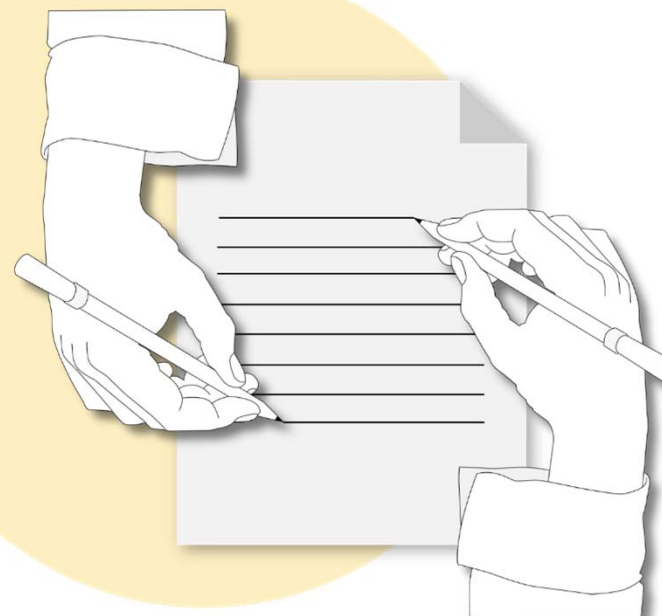
The score of the vote of the reviewer will depend on his reputation, as defined by the review score formula $rs = \sum \pm w_e \cdot f$.

Once the accumulated score of the reviewers' votes reaches a threshold, the paper status will change to 'accepted'.

Open Review / Open Data

In addition to the traditional (blind peer-reviewed) journals ...

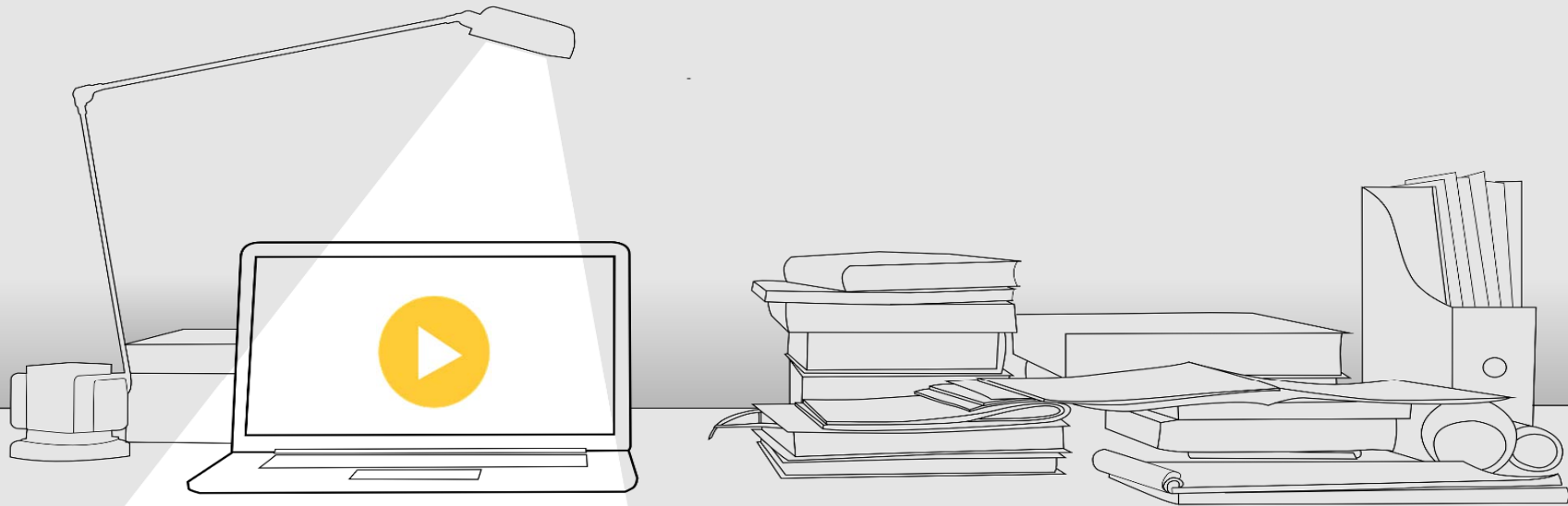
- Collaborative open peer-reviewed journals (immediate publication, transparent review, collaboration ...)
- Open data journals (share datasets, models and more)





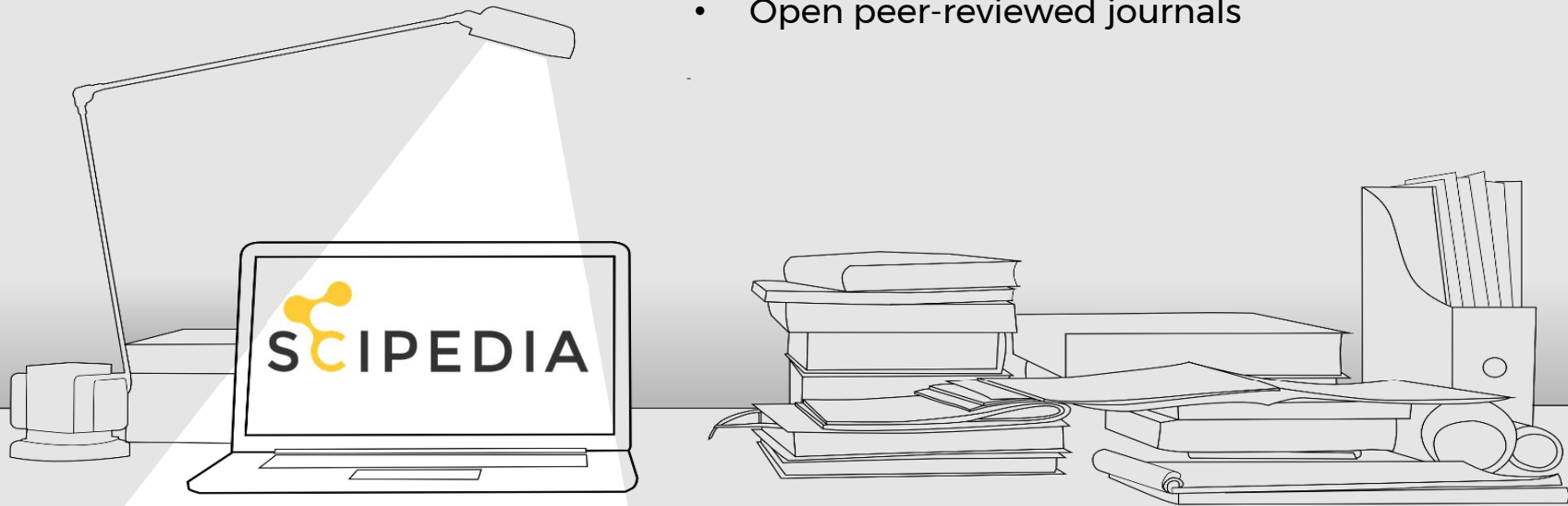
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Research Publishing Platform



What can Scipedia offer for institutions?

- Institution / department / group / profile
- Institution / department / group repositories
- Institution / department / group analytics
- Management of multiple affiliations
- Open Access / Open Data archives
- Open peer-reviewed journals



What can Scipedia offer for institutions?

The screenshot shows the Scipedia website interface for the International Centre for Numerical Methods in Engineering (CIMNE). The browser address bar shows the URL <https://www.scipedia.com/institution/cimne.upc.edu>. The page features a navigation menu with 'Profile', 'Library', 'My network', 'Groups', and 'Help'. The main content area includes a header for CIMNE, a navigation bar with 'Overview', 'Contributions', 'Members', and 'Analytics', and a main text block describing the organization. On the right side, there are three summary cards: 'INFORMATION' with address and website details, 'MEMBERS' with a grid of profile pictures, and 'ANALYTICS' with a table of metrics.

Metric	Value
Reputation score	6564
Contributions	1006
Views	8849

Institutional profile

- Customized URL
- Home page
 - Overview
 - Information
- Linked to repositories
 - Institutional
 - Departments
 - Personal
- Directory (members)
- Analytics
- Curation (edition)

What can Scipedia offer for institutions?

The screenshot shows the Scipedia interface for the CIMNE institution. The main content area is divided into three repository sections, each with a 'READ' button and statistics (document count, views, and a 5/5 rating):

- Papers Repository of the International Centre for Numerical Methods in Engineering (CIMNE)**: 58 documents, 1568 views.
- Technical Reports of the International Centre for Numerical Methods in Engineering (CIMNE)**: 875 documents, 4517 views.
- Presentations to the VI International Conference on Coupled Problems in Science and Engineering**: 9 documents, 181 views.

The right sidebar contains the following information:

- INFORMATION**: Address (Campus Nord UPC, CIMNE Building C1. C/ Gran Capità, S/N 08034 Barcelona, Spain), Head of institution (Eugenio Oñate, 179), Website (http://www.cimne.com/).
- MEMBERS**: A grid of 24 profile pictures.
- ANALYTICS**: Reputation score (6564), Contributions, Views (8849).

• Repositories

- Preprints / open access papers
- Research / Project reports
- Monographs
- Proceedings / presentations
- Open data repositories
- ...

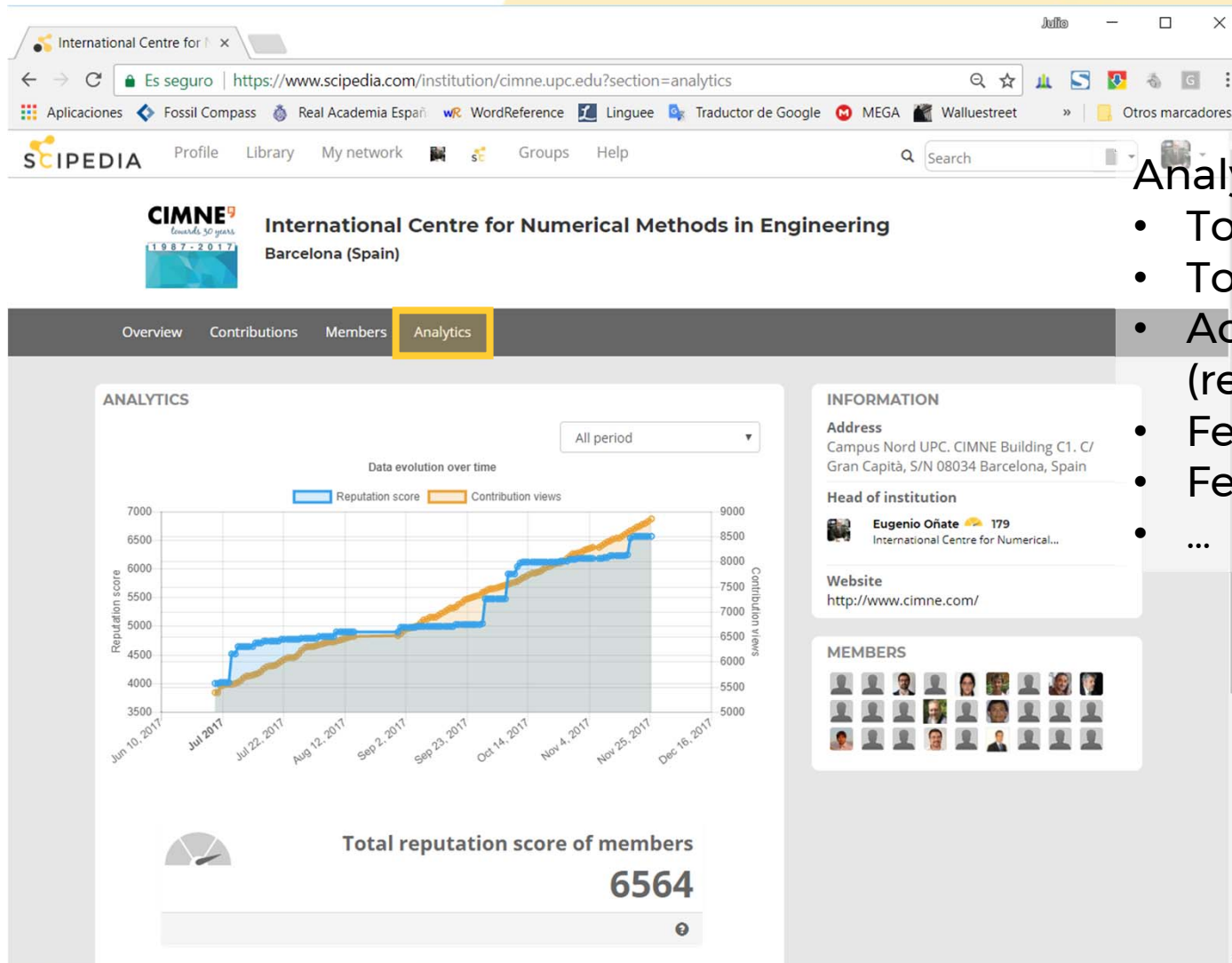
• Links to selected archives

- Institutional
- Departments / groups
- Personal

• Journals

- Multiple links to documents

What can Scipedia offer for institutions?



Analytics

- Total views
- Total contributions
- Activity index (reputation)
- Featured members
- Featured documents
- ...

ANALYTICS		
Reputation score		6564
Contributions		1006
Views		8849

What can Scipedia offer for institutions?

International Centre for Numerical Methods in Engineering (CIMNE) Barcelona (Spain)

Julio García-Espinoza 1811
Head at the Department of Naval Architecture and Ocean Engineering (MARINE)
International Centre for Numerical Methods in Engineering
Universitat Politècnica de Catalunya - BarcelonaTech

MEMBERS (36)

- Julio García-Espinoza 1811
International Centre for Numerical Methods in Engineering (CIMNE) Barcelona (Spain)
- María Jesús Samper - RIMNI
International Centre for Numerical Methods in Engineering (CIMNE) Barcelona (Spain)
- Particles Contents 357
International Centre for Numerical Methods in Engineering (CIMNE) Barcelona (Spain)
- Coupled Contents 328
International Centre for Numerical Methods in Engineering (CIMNE) Barcelona (Spain)
- Eduardo Soudah 243
International Centre for Numerical Methods in Engineering (CIMNE) Barcelona (Spain)
- Jonathan Colom Cobb 163
International Centre for Numerical Methods in Engineering (CIMNE) Barcelona (Spain)
- Joaquín Irazábal González
International Centre for Numerical Methods in Engineering (CIMNE) Madrid Spain
- María Jesus Calvete 76
International Centre for Numerical Methods in Engineering (CIMNE) Barcelona

Universitat Politècnica de Catalunya - BarcelonaTech
Barcelona (Spain)

Address
C/ Jordi Girona 31 - Campus Nord UPC,
Barcelona 08034, Spain

Head of institution
Enric Fossas, rector

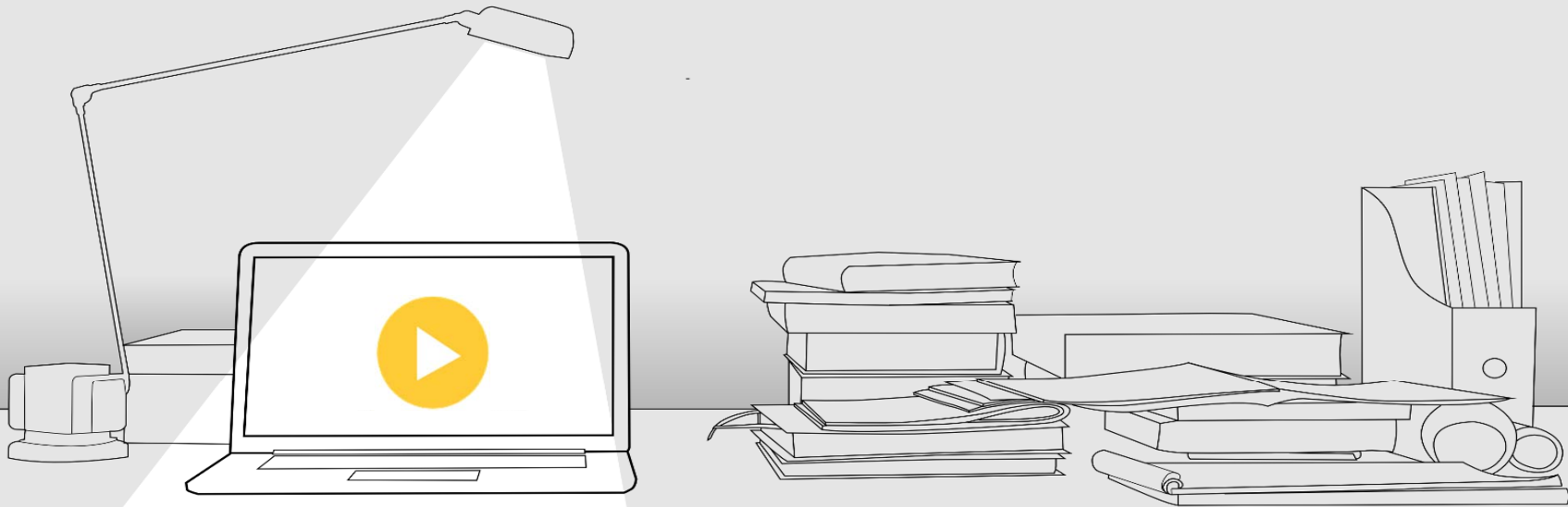
Website
<http://www.upc.edu/>

Multiple affiliations link personal profile with profiles of schools, departments, research groups, affiliated research centers, ...



SCIPEDIA

What can Scipedia offer ...
... for institutions?

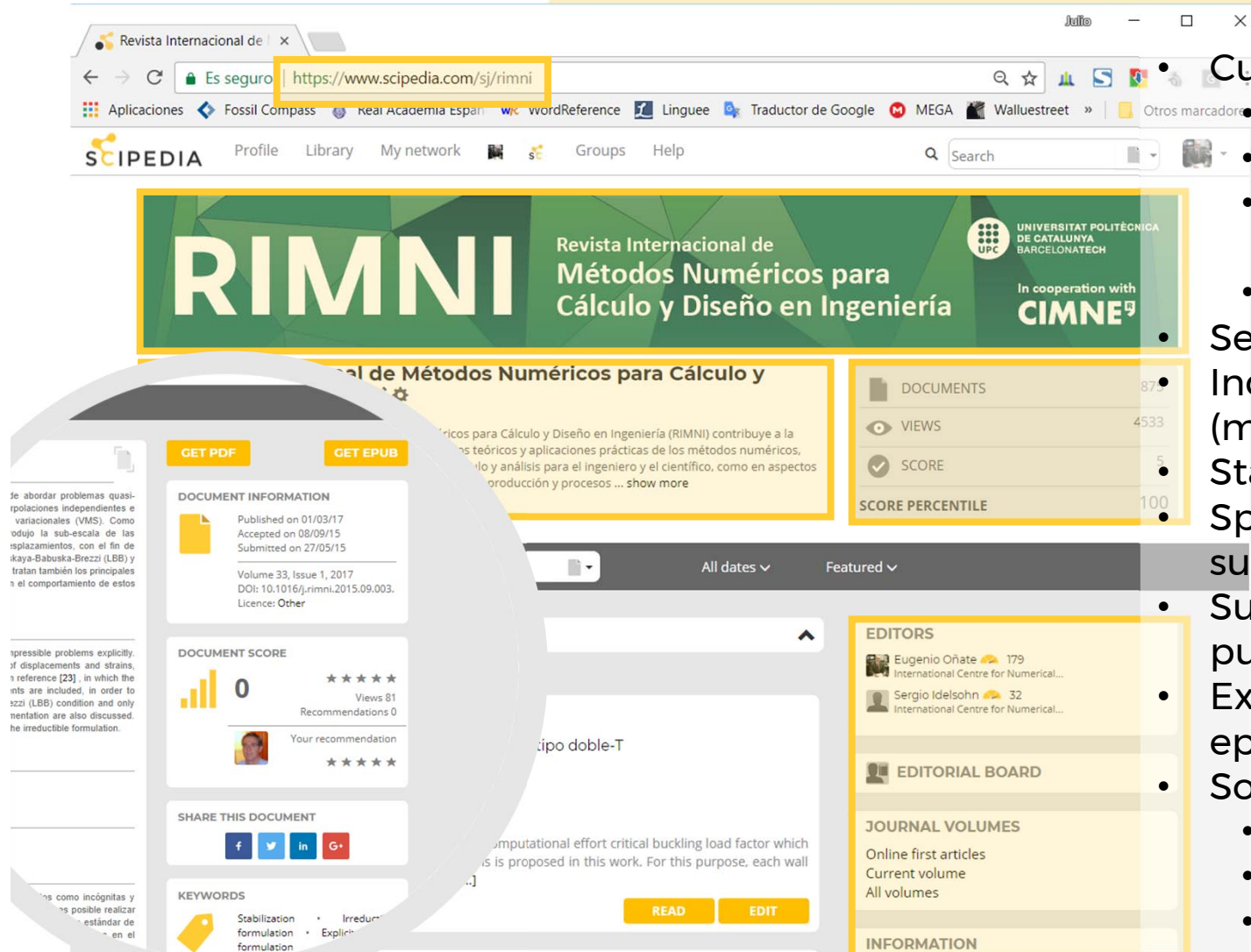


What can Scipedia offer for journals?

- Customized home page
- Advanced journal (congress) management platform
- Support for blind peer-review and collaborative open peer-review
- Support for enriched web publishing
- Export tools: pdf and epub



What can Scipedia offer for journals?



Customized page

- URL
- Title, banner, about
- Journal / authors info
- ...
- Search tools
- Indexing support (metadata)
- Statistics (altmetrics)
- Specialized editorial support
- Supports enriched web publishing
- Export tools: pdf and epub
- Social network tools
 - Share document
 - Discussion page
 - Recommendations

What can Scipedia offer for journals?

Revista Internacional de Métodos Numéricos para Cálculo y Diseño en Ingeniería

Revista Internacional de Métodos Numéricos para Cálculo y Diseño en Ingeniería

EDITOR'S FINAL DECISION

Make the final decision to accept or reject the paper:

ACCEPT REJECT

REVIEWERS' RECOMMENDATIONS

Sergio Oñate 56

Status: Review accepted
Recommendation: Accept
Score: 4

Jorge Murillo 475

Status: Review accepted
Recommendation: Accept
Score: 3

Juanjo Tomás Pereira 37

Status: Review accepted
Recommendation: Pending

DOCUMENTS 8/3

VIEWS

SCORE

SCORE PERCENTILE

EDITORS

Eugenio Oñate 179
International Centre for Numerical...

Sergio Idelsohn 32
International Centre for Numerical...

EDITORIAL BOARD

JOURNAL VOLUMES

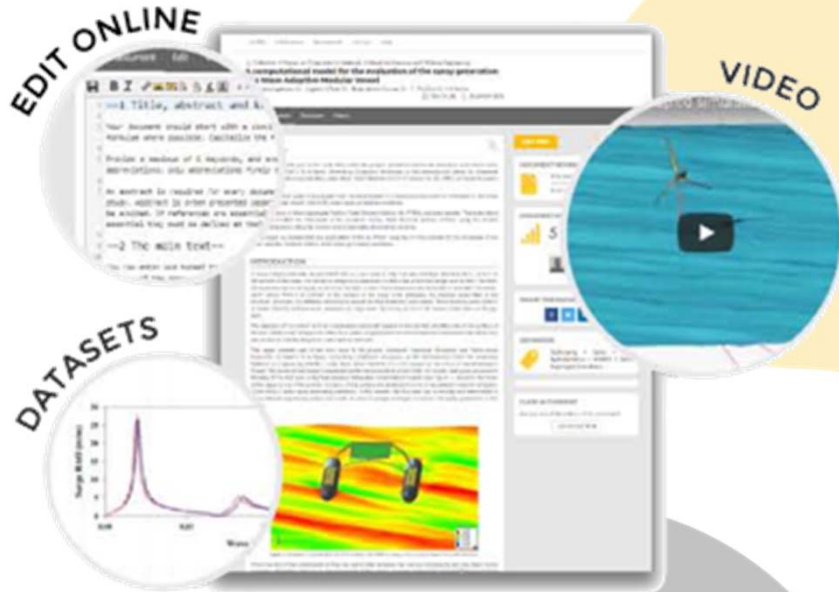
Online first articles
Current volume
All volumes

INFORMATION

Advanced journal (and congress) management platform

- Allows editors to handle all aspects of publication.
- Offers advanced support for blind peer-review and collaborative open peer-review (interactive).
- Allows reducing to the minimum the editorial effort, thanks to our self-publishing and automation services.

What can Scipedia offer for journals?



Enriched web scientific publishing

- Upload your manuscript created in LaTeX, Word or Google Docs using Scipedia import tools.
- Use Scipedia's online (collaborative) editor to improve its content and to insert supplementary material such as video, datasets, models and more.

LATEX

W

Google Docs



SCIPEDIA

is run by its community

Our goal is to ensure the community has a strong voice about the future of Scipedia. We will be glad to hear your comments, suggestions or feature requests at:

communityvoice@scipedia.com

For any other question, you can contact us at:

info@scipedia.com





SCIPEDIA

Your Open Science and
Research Publishing Platform

