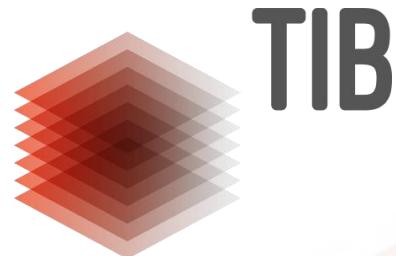


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# Das TIB AV-Portal

Dr. Bastian Drees

Hannover, 29. März 2017

7. Workshop der DINI/nestor-AG Forschungsdaten

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# **Agenda**

- 1. Das TIB AV-Portal**
- 2. Audiovisuelle Daten**
  - i. Status Quo**
  - ii. Best Practice**

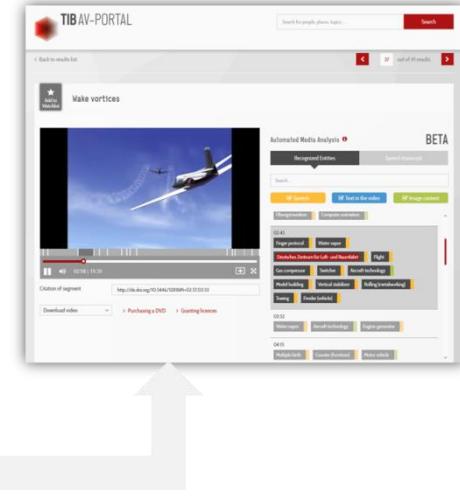
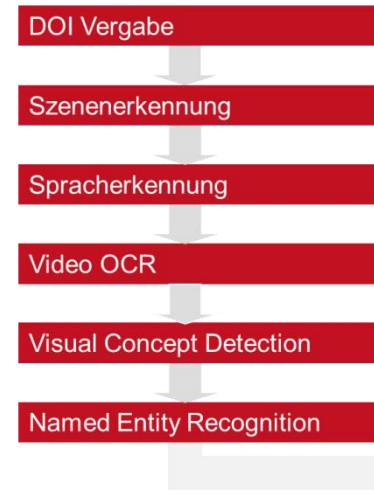
# TIB AV-Portal

## Profile

- The TIB AV-Portal is a web-based platform for quality-tested scientific videos

## Development

- Competence Centre for Non-Textual Materials at TIB and Hasso Plattner Institute
- 2011-2014
- online since: 04/2014



## Benefits

- Automatic metadata enrichment, DOI, long term preservation

## Content

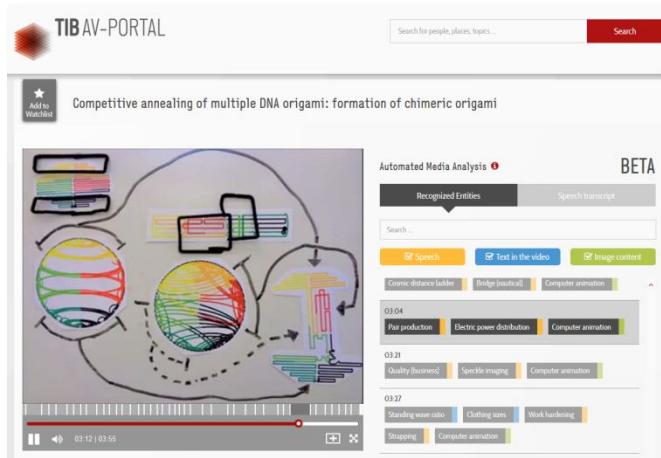
- More than 9000 videos (02/2017)
- Predominantly under open access licence
- Conference recordings, lectures, experiments, video abstracts, simulations, animations

---

# **Agenda**

- 1. Das TIB AV-Portal**
  
- 2. Audiovisuelle Daten**
  - i. Status Quo**
  - ii. Best Practice**

# Video-Supplement und Video-Abstract



Majikes, et al., *Competitive annealing of multiple DNA origami: formation of chimeric origami*, 2016,  
DOI:[10.5446/21892](https://doi.org/10.5446/21892)

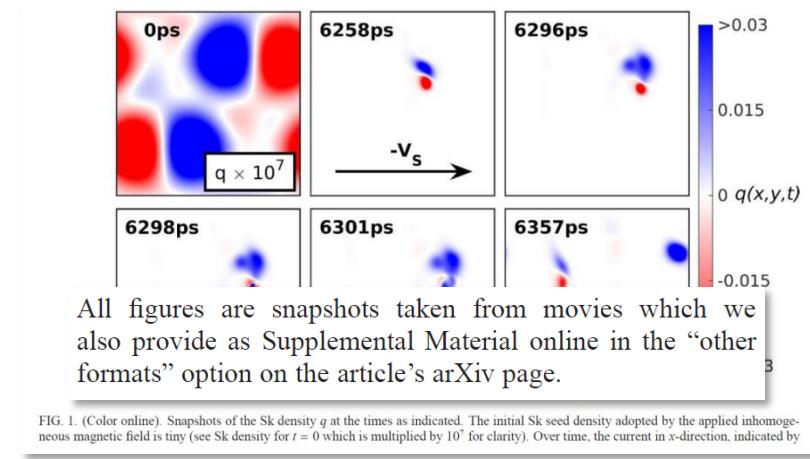


FIG. 1. (Color online). Snapshots of the Sk density  $q$  at the times as indicated. The initial Sk seed density adopted by the applied inhomogeneous magnetic field is tiny (see Sk density for  $t = 0$  which is multiplied by  $10^7$  for clarity). Over time, the current in  $x$ -direction, indicated by

Stier, et al., *Skyrmion-Antiskyrmion pair creation by in-plane currents*, 2017, arXiv:1701.07256

# Supplemental Videos

Some examples from arXiv

6. arXiv:1702.01519 [pdf, ps, other]

**Diffusion-driven self-assembly of rod-like particles: Monte Carlo simulation on a square lattice**  
 Nikolai I. Lebovka, Yurii Yu. Tarasevich, Volodymyr A. Gogoberidze, Nikolai V. Vygorovitskii  
 Comments: 12 pages, 14 figs, 3 videos, 53 refs. Submitted to Phys. Rev. E  
 Subjects: Statistical Mechanics (cond-mat.stat-mech)

7. arXiv:1701.07861 [pdf, other]

**Diversity and coevolutionary dynamics in high-dimensional phenotype spaces**  
 Michael Doebeli, Iaroslav Ispolatov  
 Comments: 49 pages, 6 figures, and 5 videos. Please open pdf with Acrobat to see the embedded movies  
 Journal-ref: The American Naturalist 2017 189(2): 111-120  
 Subjects: Populations and Evolution (q-bio.PE)

8. arXiv:1701.07769 [pdf, ps, other]

**Ethical Considerations in Artificial Intelligence Courses**  
 Emanuelle Burton, Judy Goldsmith, Sven Konig, Benjamin Kuipers, Nicholas Mattei, Toby Walsh  
 Comments: 29 pages including all case studies and links to video media on YouTube  
 Subjects: Artificial Intelligence (cs.AI); Computers and Society (cs.CY); General Literature (cs.GL)

9. arXiv:1701.07479 [pdf, other]

**Epidemiological modeling of the 2005 French riots: a spreading wave and the role of contagion**  
 Laurent Bonnasse-Gahot, Henri Berestycki, Marie-Aude Denysiuk, Mirela B. Gordon, Sébastien Roché, Nancy Rodriguez, Jean-Pierre Nadal  
 Comments: 16 pages, 6 figures, 2 SI pages, 3 SI figures, 4 SI videos (the SI videos are included in the source package, and are also available here: [this http URL](#))  
 Subjects: Physics and Society (physics.soc-ph); Social and Information Networks (cs.SI)

10. arXiv:1701.07372 [pdf, other]

**A Multi-view RGB-D Approach for Human Pose Estimation in Operating Rooms**  
 Abdolahim Kadkhodamohammadi, Afshin Gangi, Michel de Mathelin, Nicolas Padou  
 Comments: WACV 2017. Supplementary material video: [this https URL](#)  
 Subjects: Computer Vision and Pattern Recognition (cs.CV)

11. arXiv:1701.07256 [pdf, ps, other]

**Skyrmion-Antiskyrmion pair creation by in-plane currents**  
 Martin Stier, Wolfgang Häusler, Thore Posske, Gregor Gurski, Michael Thorwart  
 Comments: Please find additional videos of the skyrmion-antiskyrmion pair creation process on the article's arXiv page. The videos can also be downloaded from the "other formats" section as a compressed file  
 Subjects: Mesoscale and Nanoscale Physics (cond-mat.mes-hall)

Where?

Embedded in PDF

Youtube

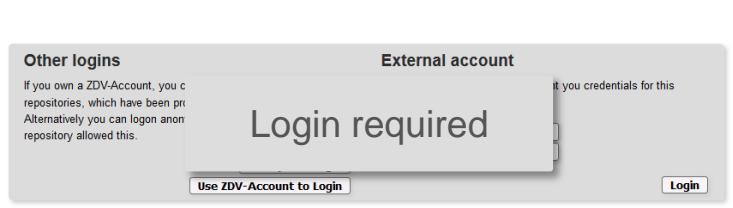
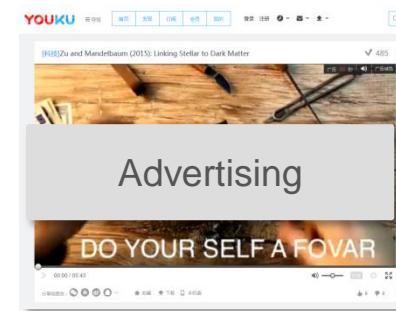
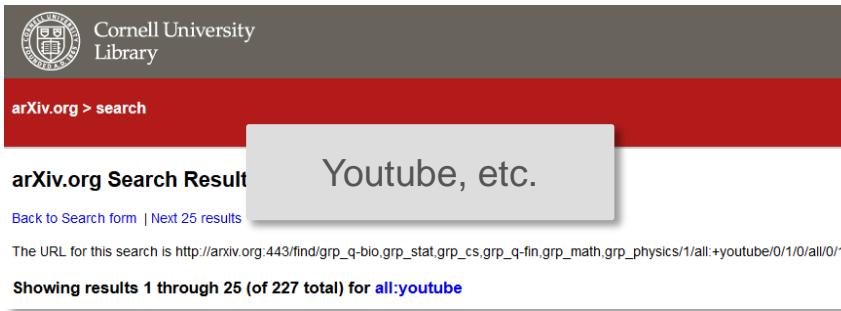
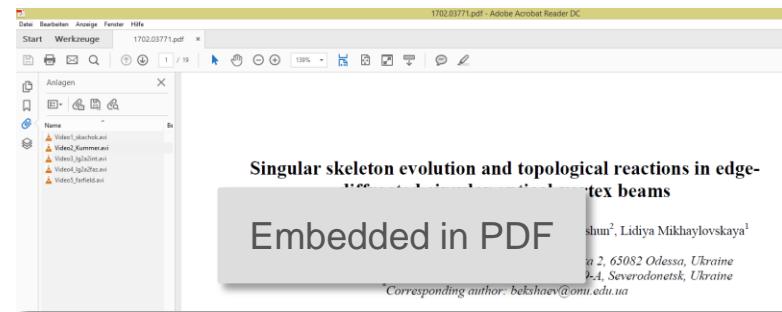
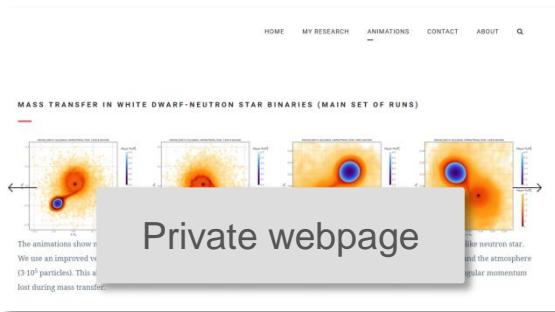
Source package

Private webpage

Other formats section

# Supplemental Videos

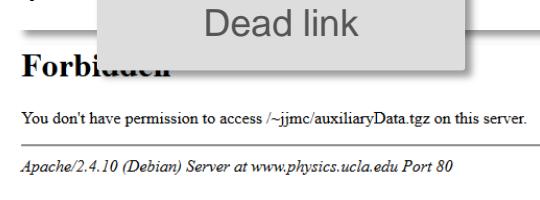
Some examples from arXiv



## Not Found

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Apache/2.2.



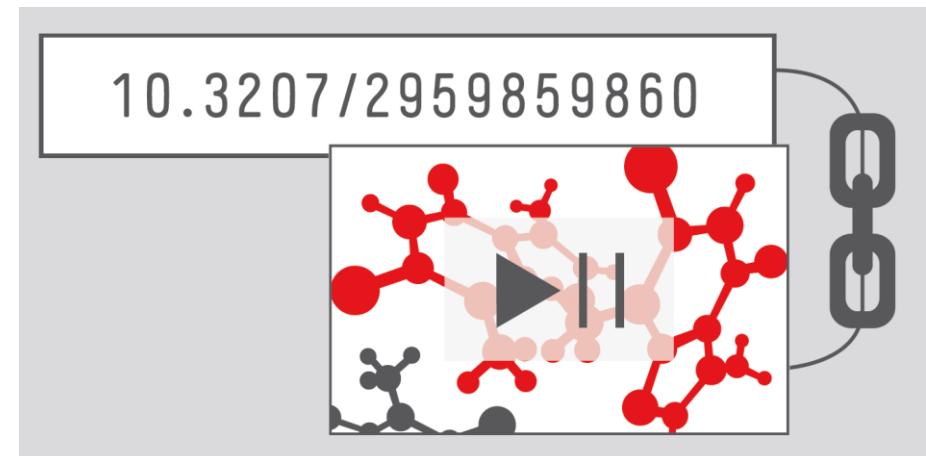
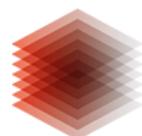
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# **Agenda**

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- 2. Audiovisuelle Daten**
  - i. Status Quo**
  - ii. Best Practice**

# Preservation of knowledge

- DOI service for referencing digital objects
- Long-term preservation of scientific media



# Artikel und Video-Supplement & -Abstract

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- IF 3.549
- IF 5-year 5.280
- Scopus CiteScore 3.88
- Scopus SNIP 1.172
- SJR SJR 2.855
- cwts IPP 3.510
- h5-index 38
- Definitions

**Geosci. Model Dev., 9, 2793-2808, 2016**  
doi:<http://www.geosci-model-dev.net/9/2793/2016/>  
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**Model description paper**  
**The Modular Arbitrary-Order Ocean-Atmosphere Model: MAOOAM v1.0**  
Lesley De Cruz et al.  
**Supplement**  
doi:[10.5194/gmd-9-2793-2016-supplement](https://doi.org/10.5194/gmd-9-2793-2016-supplement)

**Data sets**  
MAOOAM: First public release of MAOOAM  
Lesley De Cruz, Jonathan Demaeeyer, and Stéphane Vannitsem  
doi:[10.5281/zendodo.47507](https://doi.org/10.5281/zendodo.47507)

**MAOOAM: First public release of MAOOAM: parallel version**  
Lesley De Cruz, Jonathan Demaeeyer, and Stéphane Vannitsem  
doi:[10.5281/zendodo.47510](https://doi.org/10.5281/zendodo.47510)

**Video supplement**  
MAOOAM resolution atm-2x2 oc-2x4  
Lesley De Cruz, Jonathan Demaeeyer, and Stéphane Vannitsem  
doi:[10.5446/18552](https://doi.org/10.5446/18552)

**MAOOAM resolution atm-2x4 oc-2x4**  
Lesley De Cruz, Jonathan Demaeeyer, and Stéphane Vannitsem  
doi:[10.5446/18553](https://doi.org/10.5446/18553)

**MAOOAM resolution atm-3x3 oc-3x3**  
Lesley De Cruz, Jonathan Demaeeyer, and Stéphane Vannitsem  
doi:[10.5446/18554](https://doi.org/10.5446/18554)

**MAOOAM resolution atm-4x4 oc-4x4**  
Lesley De Cruz, Jonathan Demaeeyer, and Stéphane Vannitsem  
doi:[10.5446/18555](https://doi.org/10.5446/18555)

**MAOOAM resolution atm-5x5 oc-5x5**  
Lesley De Cruz, Jonathan Demaeeyer, and Stéphane Vannitsem  
doi:[10.5446/18556](https://doi.org/10.5446/18556)

**MAOOAM resolution atm-6x6 oc-6x6**  
Lesley De Cruz, Jonathan Demaeeyer, and Stéphane Vannitsem  
doi:[10.5446/18557](https://doi.org/10.5446/18557)

**MAOOAM resolution atm-7x7 oc-7x7**  
Lesley De Cruz, Jonathan Demaeeyer, and Stéphane Vannitsem  
doi:[10.5446/18558](https://doi.org/10.5446/18558)

**MAOOAM resolution atm-8x8 oc-8x8**  
Lesley De Cruz, Jonathan Demaeeyer, and Stéphane Vannitsem  
doi:[10.5446/18559](https://doi.org/10.5446/18559)

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**Geopotential height difference (m)**  
Resolution : atmosphere 512x512 ocean 128x128

**Atm. Temperature (°C)**  
Resolution : atmosphere 512x512 ocean 128x128

**Ocean Temperature (°C)**  
Resolution : atmosphere 512x512 ocean 128x128

**3-D phase space projection (two-dimensional cells)**

**Geopotential height  $\zeta$  (m<sup>-1</sup>)**  
Resolution : atmosphere 512x512 ocean 128x128

**Ocean  $\zeta$  (m<sup>-1</sup> s<sup>-1</sup>)**  
Resolution : atmosphere 512x512 ocean 128x128

DOI:10.5446/18552

**TIB AV-PORTAL**

**Spatial fields in the model MAOOAM**

**Geopotential height difference (m)**  
Resolution : atmosphere 512x512 ocean 128x128

**Atm. Temperature (°C)**  
Resolution : atmosphere 512x512 ocean 128x128

**Ocean Temperature (°C)**  
Resolution : atmosphere 512x512 ocean 128x128

**3-D phase space projection (two-dimensional cells)**

**Geopotential height  $\zeta$  (m<sup>-1</sup>)**  
Resolution : atmosphere 512x512 ocean 128x128

**Ocean  $\zeta$  (m<sup>-1</sup> s<sup>-1</sup>)**  
Resolution : atmosphere 512x512 ocean 128x128

02.32 | 03.20

**Persistenter Link (DOI)**

## Zugehöriges Material

### VIDEO IST BEGLEITMATERIAL ZUR FOLGENDEN RESSOURCE

**The Modular Arbitrary-Order Ocean-Atmosphere Model: MAOOAM v1.0**

DOI: [10.5194/gmd-9-2793-2016](https://doi.org/10.5194/gmd-9-2793-2016)

De Cruz et al., *The Modular Arbitrary-Order Ocean-Atmosphere Model: MAOOAM v1.0*. Geosci. Model Dev., 9, 2793-2808, 2016. DOI:[10.5194/gmd-9-2793-2016](https://doi.org/10.5194/gmd-9-2793-2016)

De Cruz et al., *MAOOAM resolution atm-2x2 oc-2x4*. Suppl. videos for "A Modular Arbitrary-Order Ocean-Atmosphere Model: MAOOAM". 2016. DOI:[10.5446/18552](https://doi.org/10.5446/18552)

# ORCID Publication list

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**Angelina Kraft**

ORCID ID [orcid.org/0000-0002-6454-335X](https://orcid.org/0000-0002-6454-335X)

Country Germany

Email angelina.kraft@tib.eu

Other IDs Scopus Author ID: 36625512500 ResearcherID: E-5011-2014

**Employment (1)**

Technische Informationsbibliothek (TIB): Hannover, Niedersachsen, Germany 2013 to present

Source: Angelina Kraft Created: 2015-02-03

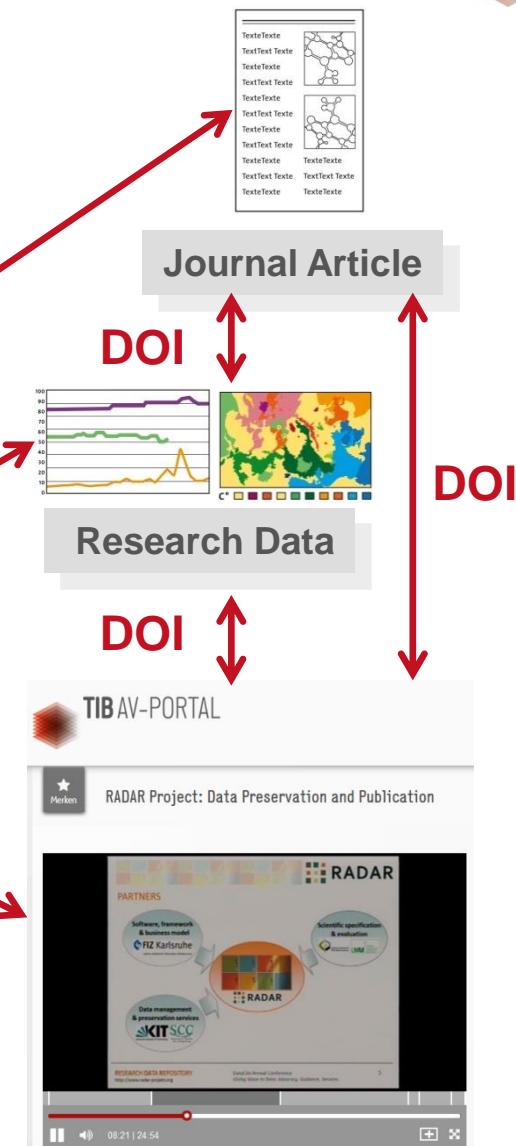
**Works (47)**

The RADAR Project—A Service for Research Data Archival and Publication IJGI 2016-03-04 | journal-article DOI: 10.3390/ijgi5030028 Source: CrossRef Metadata Search

Pteropod sedimentation at HAUSGARTEN central station HGIV from 2000 to 2012, supported by Bauerfeind, Eduard; Niemi, Eva-Maria; Pauls, Bendiks; Kraft, Angelina; Beszczynska-Möller, Agnieszka (2014): Variability in pteropod sedimentation and corresponding aragonite flux at the Arctic deep-sea long-term observatory HAUSGARTEN in the eastern Fram Strait from 2000 to 2009. Journal of Marine Systems, 132, 95–105 2014 | data-set DOI: 10.1594/PANGAEA.845697 Source: DataCite Preferred source

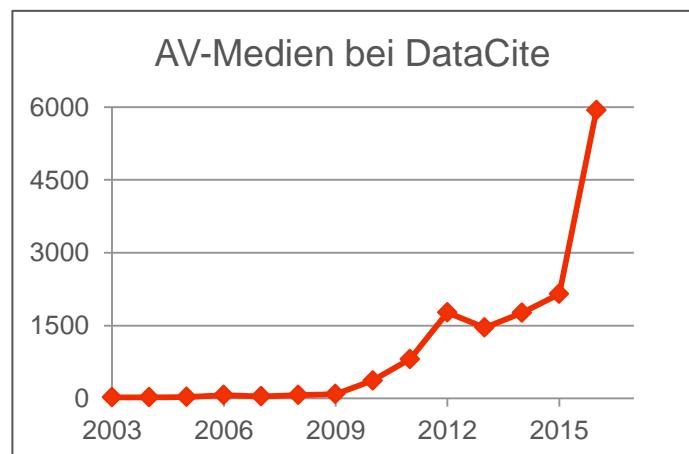
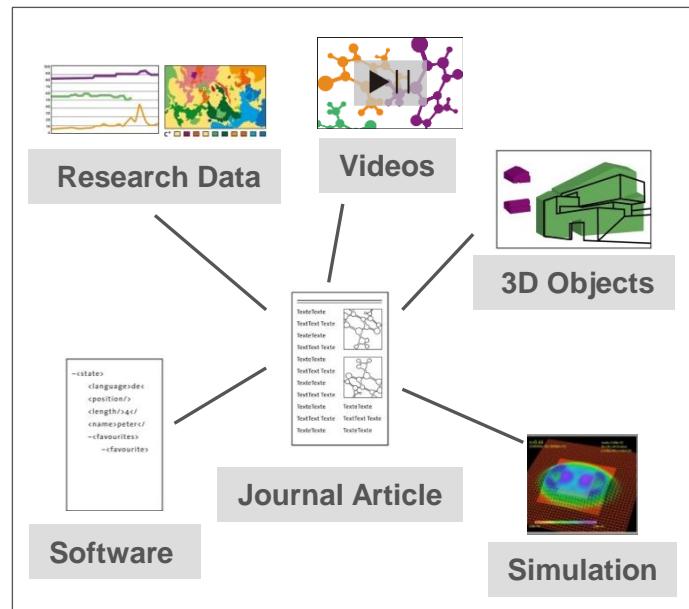
RADAR Project: Data Preservation and Publication DataCite 2014 | other DOI: 10.5446/15294 Source: DataCite Preferred source

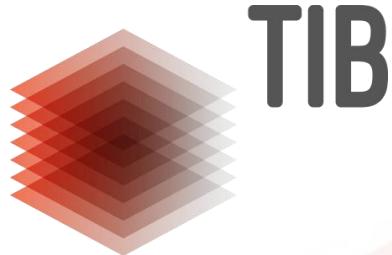
Variability in pteropod sedimentation and corresponding aragonite flux at the Arctic deep-sea long-term observatory HAUSGARTEN in the eastern Fram Strait from 2000 to 2009 2014 | journal-article DOI: 10.1016/j.jmarsys.2013.12.006 EID: 2-s2.0-84893840784 URL: <http://www.scopus.com/inward/record.url?eid=2-s2.0-84893840784&partnerID=M...> Source: Scopus to ORCID Preferred source



## Fazit

- Audiovisuelle Daten sind ein wichtiger Teil der Gesamtpublikation
- Stabile und nachhaltige Infrastruktur nötig
- Wachsender Anteil an audiovisuellen Medien
- TIB AV-Portal: Persistente Identifier für AV-Medien





## Save the Date!

2<sup>nd</sup> Conference on Non-Textual Information

### “Software and Services for Science (S3)”

May 10 -11, 2017 in Hannover

The conference is being hosted by

[www.nontextualinformation2017.de](http://www.nontextualinformation2017.de)

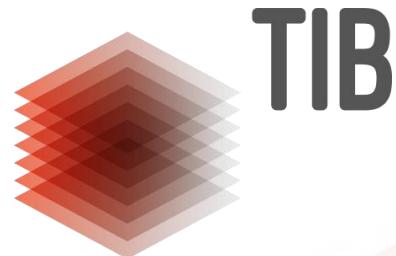
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## Conference Topics

- Software sustainability
- Software sharing and collaboration
- Software referencing
- Legal issues concerning scientific software

**Early-Bird-Tarif bis 13. April 2017**



Thank you for your attention!

Talk to us! [KNM@tib.eu](mailto:KNM@tib.eu)

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### Contact

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T +49 511 762-14644, [bastian.drees@tib.eu](mailto:bastian.drees@tib.eu)