
About SIP-Archiv *Everything you always wanted to know about SIP-Archiv*

SIP-Archiv (<https://www.SIP-Archiv.de>) is a web application with the help of which the participating institutions can manage petrophysical data of the method "Spectral Induced Polarization (SIP)" in a common repository. With the help of metadata, an individual search for samples and according measurements is possible. The institutions administrate their data self-sufficiently and are responsible for releasing it for download to other institutions. The institutions involved are primarily part of the [Induced Polarization Working Group](#) of the German Geophysical Society. The SIP-Archiv is also used by international working groups (USA, Russia, France). The repository is listed at re3data.org (Registry of Research Data Repositories) under DOI <https://doi.org/10.17616/R38Q0H>.

Current version of SIP-Archiv: 2.2.1 – 2021-06-28

New features:

- In the category for publication management the editing of the list of samples linked to a publication implemented
- Download of the sample lists in the summaries section as MS Excel file complemented with porosity, permeability and grain density of the samples

Version history:

- Version 2.2 – 2021-03-01

New features:

- New category for managing publications (overview of your own publications and editing of publication metadata)
- Implementation of extended IT security features in accordance with the requirements of the German Federal Office for Information Security (BSI)

- Version 2.1.1 – 2020-08-11

Fixed bugs:

- Fixed bug when returning to the sample list after adding a new sample including measurement.

- Version 2.1 – 2020-07-31

New features:

- Download of the sample lists in the summaries section as MS Excel file.
- Some parameters added to the template for measurements.

Fixed bugs:

- Fixed a bug in the search for lithotypes without a second hierarchy level.

- Version 2.0.6 – 2020-06-22

New features:

- Length of the comment for measurements extended to max. 256 characters.

- Version 2.0.5 – 2020-06-17

New features:

- After editing a sample or measurement, you return to the starting page instead of the first page of the sample list.

Fixed bugs:

- Fixed bug when managing member accounts (activate, deactivate, delete)

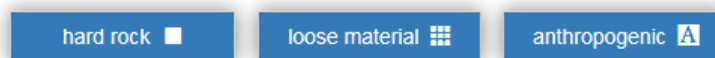
- Version 2.0.4 – 2020-06-04

New features:

- SIP achievement ranking implemented:

5 Samples: Ranking „WATER“
20 Samples: Ranking „SAND“
50 Samples: Ranking „WOOD“
100 Samples: Ranking „ORE“
150 Samples: Ranking „BRONZE“
200 Samples: Ranking „SILVER“
350 Samples: Ranking „GOLD“
500 Samples: Ranking „PLATINUM“
1000 Samples: Ranking „IRIDIUM“

- Version 2.0.3 – 2020-05-19
Fixed bugs:
 - Fixed bug when sending email via contact dialog (SMTP Error 550)
- Version 2.0.2 – 2020-05-07
Fixed bugs:
 - Fixed bug when loading measurement template after adding a new sample (empty template)
- Version 2.0.1 – 2019-10-14
Fixed bugs:
 - Fixed bug when sending emails (address validation)
- Version 2.0 – 2018-11-06
New features:
 - Distinction between the sample types "hard rock", "loose material" and "anthropogenic" (selection of the sample material when creating a new sample). Specific characteristics (metadata) are collected for the different materials.
 - The lithotypes were grouped according to the three new sample types.
 - In the standard and expert search, a new search filter "sample type" has been implemented.
 - In the standard and expert search, the new search parameter "Raw density" has been added.
 - In all lists (search result, summaries, watch lists), the samples are identified by a specific symbol according to their type:



- The method "Zeta" measurement has been added ("More results / data available").
 - In the contact form, now a captcha must be specified to send a request.
 - The password policy has been consolidated (at least 8 characters, uppercase letters, lowercase letters and numbers).
 - If the password is changed, the old password must also be entered
 - Uploading measurement data will now check the file type, executables will be blocked.
- Version 1.2.5 – 2017-12-22
Fixed bugs:
 - Management of the sample´s publication references consolidated. When deleting a sample to publication assignment, it will actually be deleted now.
 - The lithotype in the dialog for editing a sample now is displayed in the currently selected language.
 - After entering incorrect data in the dialog for editing a sample, the publication list is now displayed correctly.

New features:

- E-mail notification on revised sample and measurement parameters implemented. If the order history is activated, an e-mail will be sent when the metadata of a measurement or a sample has been edited. It informs those users who have already downloaded the relevant measurement or who have already received a measurement belonging to the revised sample.
- Pressing the Enter key in the DOI input field of the dialog "Supply a Publication" triggers the DOI check.
- Updated preview screenshots

- Version 1.2.4 – 2017-11-10

New features:

- E-mail notification on new measurements implemented. If the order history is activated, an e-mail will be sent when a new measurement has been added to a sample from which you have already downloaded measurements.

- Version 1.2.3 – 2017-10-10

New features:

- Search filter 'only FreeSIP measurements' implemented
- e-mail for registration notification complemented (institute acronym in subject added)

- Version 1.2.2 – 2017-09-19

New features:

- FreeSIP measurements are marked with the FreeSIP icon next to the pen icon in edit mode for normal users (own measurement).
- English translations have been consolidated

- Version 1.2.1 – 2017-09-12

Fixed bugs:

- Measurements without specifying electrode material and type are correctly saved after editing
- Indication of the additional method MIP/MICP in user template is correctly saved and imported for sample parameters

- Version 1.2 – 2017-09-11

New features:

- Functionality for the FreeSIP-Agreement implemented

- Version 1.1.2 – 2017-07-28

Fixed bugs:

- Display of modal windows optimized

- Version 1.1.1 – 2017-07-21

Fixed bugs:

- Modal window for selection of publication optimized (jQuery-Load in page header)
- Confirmation message after editing user data corrected (displaying user's language – Optval without 0-return).

New features:

- Multilingualism in watch list completed (nil return on requested measurements).
- Really all SIP-Archiv-emails completely personalized
- Really all readings in SIP-Archiv are displayed bi-lingual
- Selection lists formatted more ergonomically
- Additional tooltips and popups integrated

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- Direct download delivers measurement data + metadata (Excel) in a ZIP archive
 - Version 1.1 – 2017-06-12
 - Fixed bugs:
 - Maximum length of file name of the measurement file limited to 64 characters, validation implemented
 - Improved error handling in case of incorrect input
 - Search filter 'only samples from round robin tests' correctly implemented
 - Operation to stop round robin tests correctly implemented
 - Deleting data in the template is accepted correctly without errors
 - Very small numbers (<0,001) are taken into account correctly during the search
 - Replaced measurement file in the ZIP file does not provide an empty ZIP when downloading
 - Generation of a measurement name takes account of deleted measurements (gaps are not filled, serial number is incremented)
 - When entering the frequency range, a validation 'lower limit' < 'upper limit' was implemented, popup inserted for information on the rule
 - New features:
 - All SIP-Archiv-emails completely personalized.
 - All readings in SIP-Archiv are displayed bi-lingual.
 - Template: Success and error message on saving a template is reformatted.
 - Template: Reset button for deleting all data in a template inserted.
 - Success message on importing a template re-formatted.
 - Selection list of the lithotypes more clearly arranged.
 - Round robin tests: In the table of measurements a button for creating a new measurement is inserted for each user; Warning of abuse inserted.
 - Round robin tests: a button for detail display of the sample is inserted in the confirm dialog.
 - Round robin tests: 'back' button in success message after creating a measurement leads back to the tab 'Round robin tests' in the summaries window.
 - A tooltip for displaying the name of the institution was inserted in the sample list and the request list for the institution code.
 - Sample: As long as no measurement is available for a sample, the user who has created the sample may make changes to the sample metadata.
 - The selection lists "Institution", "Electrode type", "Electrode material" and "Saturation fluid" are sorted alphabetically in ascending order.
 - Comfortable date input via datepicker implemented.
 - On the salutation page, after successful login, a distinction is made between inactive accounts and new accounts (registration requests) under 'Registrations'.
 - The citation rule was specified in the terms of use
 - When directly downloading a measurement, the measurement file and an Excel sheet with the parameters of the measurement and associated sample are delivered in a ZIP file.
 - Version 1.0.1 – 2017-03-17
 - Fixed bugs:
 - Input validations for numeric and date values were inserted into search dialogs.
 - New features:
 - Download area extended.
 - User template extended by type of geometry.
 - Small layout adjustments made.
 - Multilingualism for date data complemented.
 - Version 1.0 – 2017-02-17: Productive operation for the first 3 institutions - now it's really exciting ...
 - Version 0.9 – 2016-10-30: last subtleties - the e-mail delivery works

- Version 0.7 – 2016-09-06: Beta test for selected participants in Hannover
- Version 0.6 – Alpha test version on the Internet für IP2016 - 6-8 June, Aarhus, Denmark
- Version 0.5: Search works :-)
- Version 0.4: New layout for the main menu, more functions live
- Version 0.3: Register, insert sample, insert measurement works
- Version 0.2: It moves more, new layout of the home page
- Version 0.1: Something moves

Tools and infrastructure

- SIP-Archiv uses JavaScript and cookies without storing or sharing your data (see Privacy Policy)
- PHP (PHP: Hypertext Preprocessor)
- CodeIgniter (<https://codeigniter.com>)
- Bootstrap (www.getbootstrap.com)
- Bootstrap-Glyphicons by Jan Kovarik (<http://glyphicons.com/>)
- Bootstrap Filestyle by Markus Lima (<http://markusslima.github.io/bootstrap-filestyle/>)
- Bootstrap Datepicker by eternicode (<http://bootstrap-datepicker.readthedocs.io/en/v1.6.4/>)
- Microsoft SQL-Server 2017
- LIAG servers and computing center of BGR

Development team

- Jens Gramenz
- Iakov Bolotovski
- Klaus Krause
- Lothar Gorling: Beratung
- Matthias Halisch: Idee und Auftraggeber