EPISODES Platform Release Notes

v2.57

- Added automatic saving of application forms in Workspace. The option is enabled by default, can be disabled by switching off the 'Autosave' option
- Application parameters can now be saved even if the form is not valid or not entirely filled - the values are not lost if not everything is filled
- The results of the custom user applications are sent to the platform even in case of the application error - this should facilitate debugging or your applications
- Homogenization of 'Gravity Variation' data type search
- Bugfix to the 'Inventory' files upload
- Bugfix to application forms with dropdown menus

v2.56

- New application: 'P and S Wave Detection Tool'
- Bugfix to the 'SignalDownload' application
- Improvements to episodes list filtering - text search
- Affiliation needed while creating EPOS AI account

v2.55

- Refreshed look of the EPISODES Platform front page, with explicit link to EPOS TCS AH website
- Bugfix to the 'Time correlated earthquakes (Seasonal trends)' application - fixed error causing the application to finish with an "*Unrecognized function or variable 'step'*." error
- Added information about the usual and max run time for applications in the Workspace
- Added option to create an EPOS AI account in Profile and affiliations
- Mailing subscription option added

v2.54

- Added visualization of the gravimetric .tsf files
- Added option for quick view of application's input files
- Improvements to the 'Waveform download tool'
- Improvements to the 'Csv To Catalog'
- Added the ability to filter User's application in the application list
- Visual improvements to the interface

v2.53

- New application: 'CSV to GDF converter'
- Improvements to the 'CSV to Catalog converter' application
- Improvements to the 'Seismogram Picking Tool' application
- Improvements to the 'Catalog Filter' application
- Improvements to the 'Template-matching based event detection algorithm' application
- Visual improvements to the interface

v2.52

- Migration to a new address - **episodesplatform.eu**
- New website for the TCS AH Consortium - **tcs.ah-epos.eu**
- Improvements to the 'Application Workbench' allowing the user to edit the parameters
- Improved handling of large seismic catalogs
- Visual improvements to the interface

v2.51

- New application: Seismic Catalog Recalculation
- New application: Response Spectra
- Improvements to the Ground Motion Prediction Equations applications

v2.50

- Changes to the default Workspace view
- Improvements to the Waveform Download Tool
- Improvements to the Ground Motion Prediction Equations applications
- Improvements to the Template-matching based event detection algorithm
- Added the ability to view QuakeML files

v2.49

- Added the ability to save/load seismogram picks in various applications
- Improvements to the 'Catalog Filter' application
- Improvements to the sharing capabilities
- Visual improvements to the interface

v2.48
- Improvements to the Application Workbench - a User can create a custom application using Python
- Improvements to the sharing capabilities
- Improvements to the 'Catalog to CSV' application
- Visual improvements to the interface

v2.47
- **New language added - Italian**
- New application: Time-dependent Anthropogenic Seismic Hazard Assessment (TDASHA)
- New application: Ground Motion Parameters
- Improvements to the Localization Application
- New applications categories introduced

v2.46
- Added a section to the Platform's main page about articles citing the Platform
- Improvements to the 'Waveform Download Tool' application
- Improvements to the 'Spectral Analysis' application
- Improvements to the 'Catalog to CSV' application
- Improvements to the 'CSV to Catalog converter' application
- New data types: Strain Sensor Location and Relative Strain Measurement

v2.45
- New application - Catalog Editor
- Improvements to the Application Workbench
- Improvements to the 'Autocorrelation' application
- Improvements to the 'Waveform Download Tool' application
- Improvements to the 'Signal Processing' application

v2.44
- Improvements to the 'GDF and Seismic Activity histogram' application
- Improvements to the 'Merge Catalog' application
- Improvements to the 'Parameters Catalog Builder' application
- Improvements to the 'Signal Processing' application
- New data types: Underground Motion Catalog and Underground Motion Parameters Catalog
- Added a label for User's applications in the application list
- Added the ability to use Mmin from the 'Completeness Magnitude in other applications

v2.43
- **Introduction of the Application Workbench -** a User can create custom applications within the EPISODES Platform
- **Introduction of GIS 3D Visualizations**
- New Catalogs and Parameters Catalogs for: Rotational Ground Motion, Ground Water Level, and Gravimetric data.
- Introduction of a GDF viewer

v2.42
- Introduction of a new logo
- New application: Catalog merger
- New data types: Rotational SEED signal and Gravity Variation miniSEED
- Polish translation for the episodes
- Improvements to the Station XML reader
- Improvements to the QuakeML reader
- Improvements to the Wellhead Pressure and Injection Rate visualizations

v2.41
- Platform's name changed from IS-EPOS to EPISODES
- Global transition from SEED to miniSEED data format, both for the data items and applications
- New feature added - the ability to change the language for guest user
- The Spectral Analysis application can now use the output from the Localization application
- Improved message about potential long computational time for certain applications

v2.40
- New feature added - language selection in user's profile - Polish and French
- New feature added - change of the password by users
- New feature added - the ability to provide descriptions to files in the Workspace
- Added option to display Release Notes information bar
- New application - SEED to datalessSEED converter
- New application - SEED to FDSN Station XML converter
- New visualization for time_vector data type
- Warning added for the Spectral Analysis application when there are too few samples
- Notification added for certain applications that processing may take a significant amount of time
- Standardized citation for applications
- Catalog to XLS converter application changed to Catalog to CSV converter (output as a CSV file)
- Improvements to the SEED and miniSEED converters

v2.39
- New features in the Episode XML – new status: “Live”, more options for access rights to particular episodes
- New data types: Downhole Pressure, Downhole Temperature, GNSS Stations, Periodic Geodetic Measurements
- Improved GDF to CSV converter, added the ability to launch the converter from data view or Advanced Data Search
- New application feature – an alert can be sent when an application has finished working
- Improvements to the Well Path visualization
- Improvements to the Drillhole Lithology visualization
- New converters to and from the mSEED format
- Improvements to the GDF files reading mechanism, in some cases an increase in file size limit
- Relative paths added to input files – improved way of handling files in the Workspace: the ability to move an entire folder with applications and related files to another place within the Workspace.

v2.38
– New login server (https://unity.ah–epos.eu/)
– 'Merge workflow' option in the Workspace enabled
– Improvements to the ‘Transformation to Equivalent Dimensions’ application
– Visualization of the new data type – ‘Periodic Gravimetric Measurements’
– Improvements to the visualization of certain data types
– Empty catalog filter option added to the ‘Catalog Filter’ application
– ‘Seed Converter’ application split into new applications – ‘SEEDtoASCII’, ‘SEEDtoSAC’ and ‘Signal Processing– Added option for cleanup of the picks on the seismogram
– Added option for cleanup of the application form
– Added the ability to change the file format in the Workspace
– ObsPy upgrade to the most recent version
– Faster computation of the ‘Time Series Builder’ application

v2.37
– New application – ‘Interval Estimation of Hazard Parameters’
– A new button added to the seismogram viewer for displaying the ‘Arias Intensity’ chart
– Improvement to the seismogram spectrum plot – the selection of the range of the seismogram is taken into consideration
– Administrators can change the user’s role in the Admin Panel
– In the application view, keywords and categories are displayed as links to the list of according applications
– Bugs fixed in the ‘Stress Inversion’ application
– Bugs fixed in the Ground Motion Catalog view for the Groningen Field
– Preparations for portal internationalization

v2.36
– Added file location info icon for application’s input files.
– Minor adjustments to ‘Transformation to Equivalent Dimensions’ and ‘Cluster Analysis’ applications
– Improved way of displaying the data for the ‘Mining Polygon Advance’ application
– Improvement to the scaling mechanism for the Velocity Model graph
– Improvement for applications that require more computing resources. New application status – ‘Submitting’
– Ability to copy folders in the ‘Workspace’ along with the underlying applications

v2.35:
– Front page information with statistics updated automatically (number of episodes, application, users)
– Introduction of new data types: ‘Rock Temperature’ and ‘Interval Velocity Model’
– Improvement applied to the Well Path visualization
– Disclaimer added next to plots with a large number of sample
– Ability to plot FFT for seismograms
– Ability to copy a set of saved parameters of an application
– arclink_fetch upgrade for Waveform download tool

v2.34:
– Ability to keep large files (20MB) in the workspace with a special icon assigned to such item
– Notification message displayed while an address of not existing application or episode is typed into the browser’s address bar
– Improvements to the ‘GDFToVectors’ application – preserves information about the newly created vectors

v2.33:
– Platform administration panel upgrade – new feature allows the administrator to send a user a message containing information on a reason for affiliation rejection
– Large catalog display improvements to avoid blocking of the browser – catalogs containing more than 50k events will plot events on the map upon a user request (separate button) (e.g. Starfish, the Geysers)
– Improved plotting of focal mechanisms
– Czorsztyn 3D visualization bug fixed
– General improvements to the Workspace features