

HydroReport 03/2020

Sonderdruck | Supplemento | Extra print
Climareport N. 291

AUTONOME PROVINZ BOZEN - SÜDTIROL
Agentur für Bevölkerungsschutz

PROVINCIA AUTONOMA DI BOLZANO - ALTO ADIGE
Agenzia per la Protezione civile

Foto des Monats
Foto del mese
Picture of the month

Maratschbach I Rio Maraccio

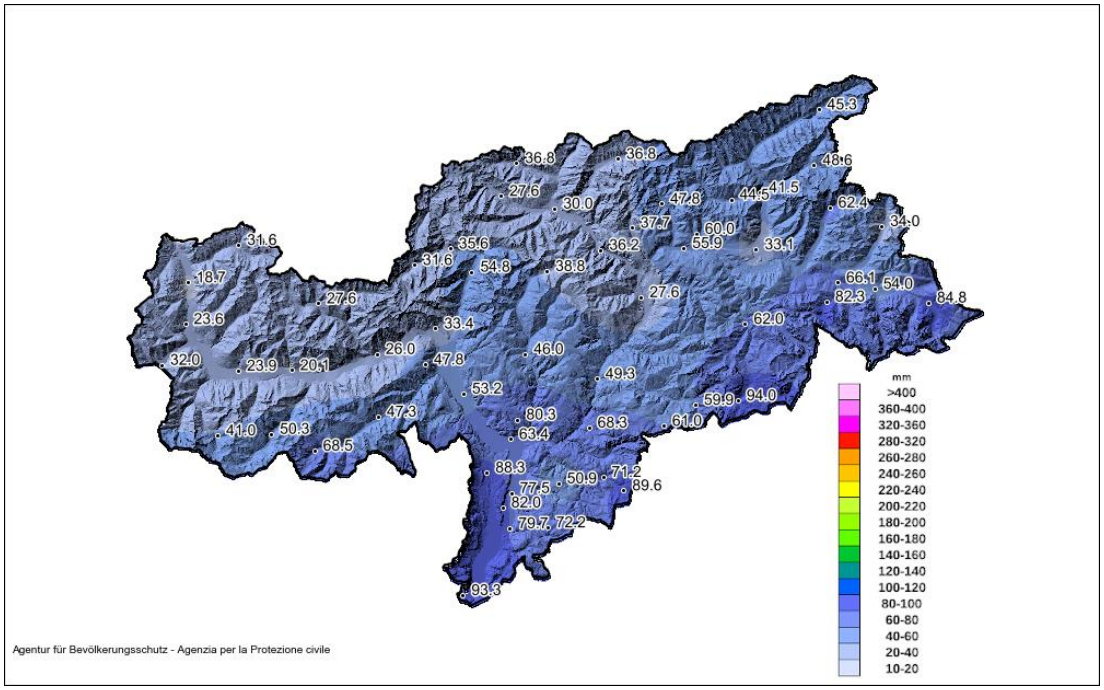


Durchflussmessung mittels Salzverdünnungsmethode.
Misura di portata con il metodo della diluizione salina.
Stream discharge measurement using the salt dilution method.

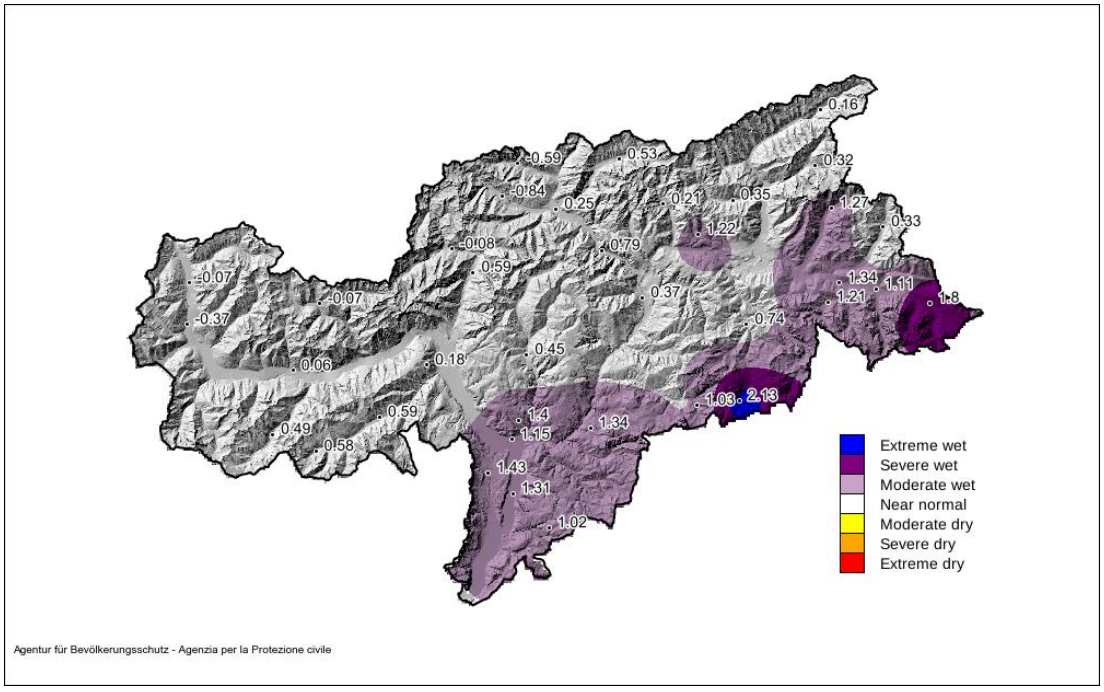
Roberto Dinale, 31/03/2020

Niederschläge
Precipitazioni
Rainfall

Regionale Verteilung der Niederschläge | Precipitazioni areali | Regional rainfall

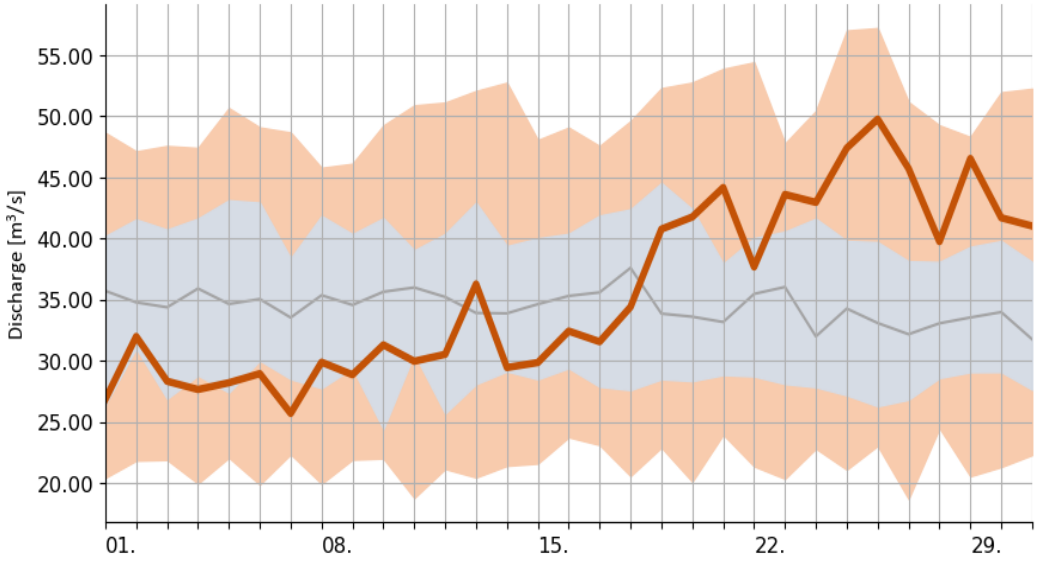


Standardisierter Niederschlagsindex | Indice SPI | Standardised Precipitation Index



Fliessgewässer
Corsi d'acqua
Rivers

Etsch, Sigmundskron | Adige, Ponte Adige





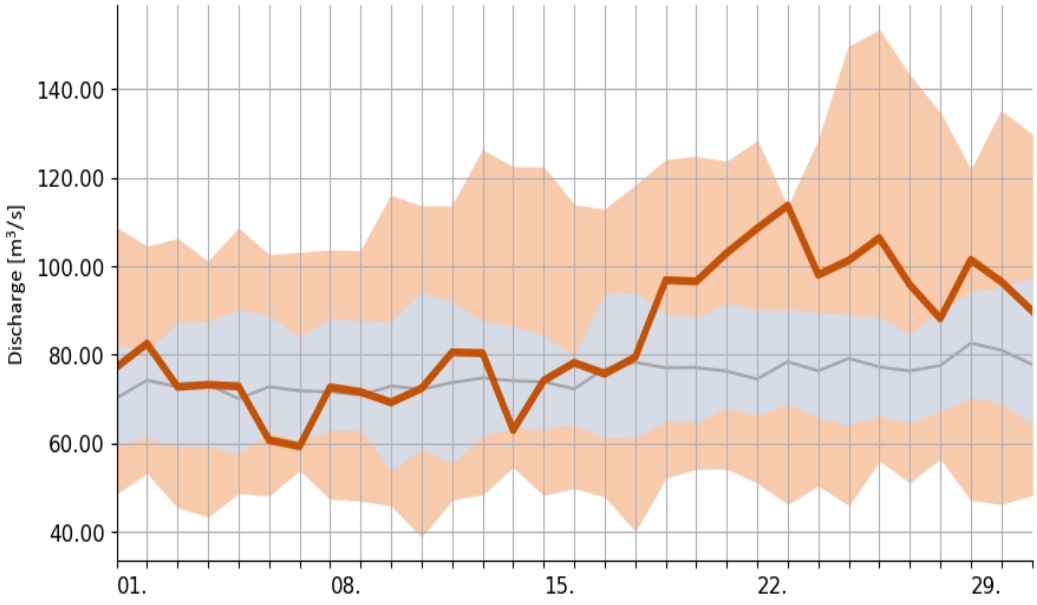


2723.0 km²



3893.0 m
1907.0 m
240.0 m

Etsch, Branzoll | Adige, Bronzolo







6927.0 km²

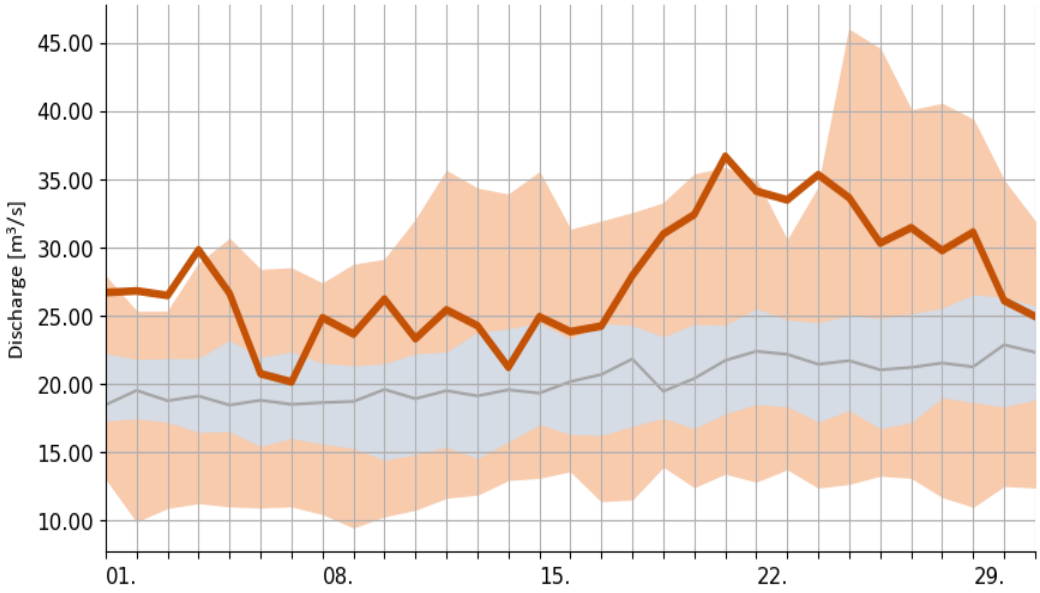


3893.0 m
1804.0 m
228.0 m

Daily mean
5th ÷ 95th percentile range
50th percentile
25th ÷ 75th percentile range

Fliessgewässer
Corsi d'acqua
Rivers

Rienz, Vintl | Rienza, Vandoies

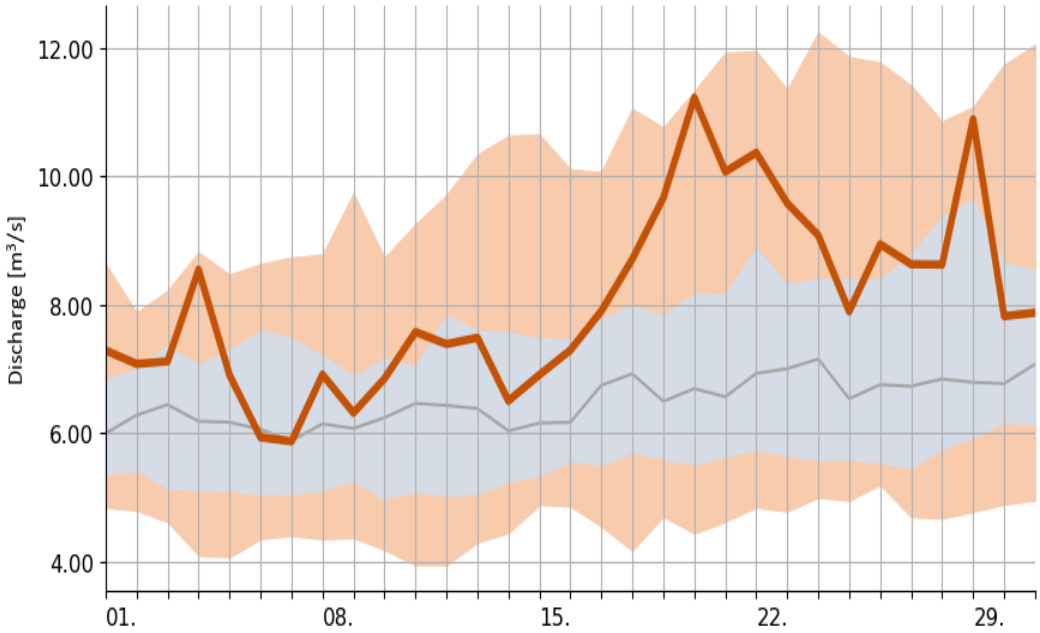




1919.0 km²

3498.0 m
1861.0 m
735.0 m

Ahr, St.Georgen | Aurino, San Giorgio





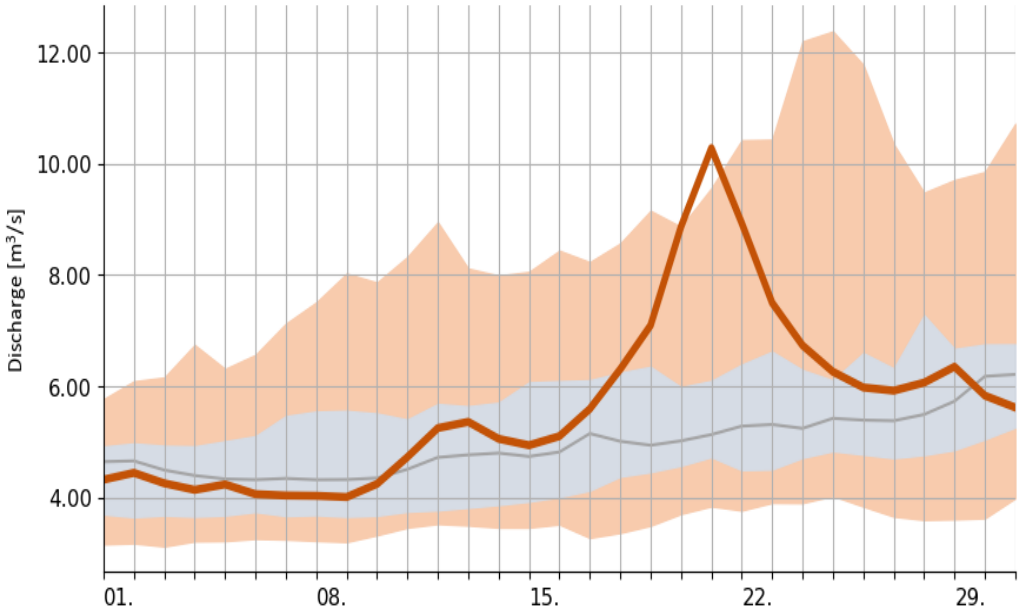
613.0 km²

3470.0 m
2038.0 m
819.0 m

Daily mean
5th ÷ 95th percentile range
50th percentile
25th ÷ 75th percentile range

Fliessgewässer
Corsi d'acqua
Rivers

Gader, Montal | Gadera, Mantana

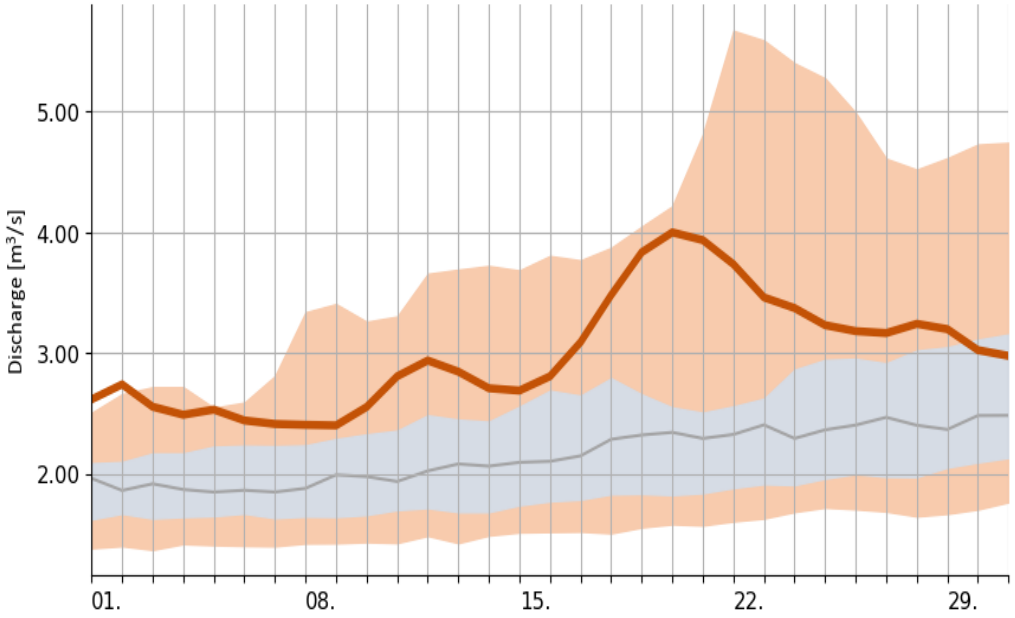




389.0 km²

3120.0 m
1856.0 m
813.0 m

Mareiterbach, Sterzing | Rio Ridanna, Vipiteno





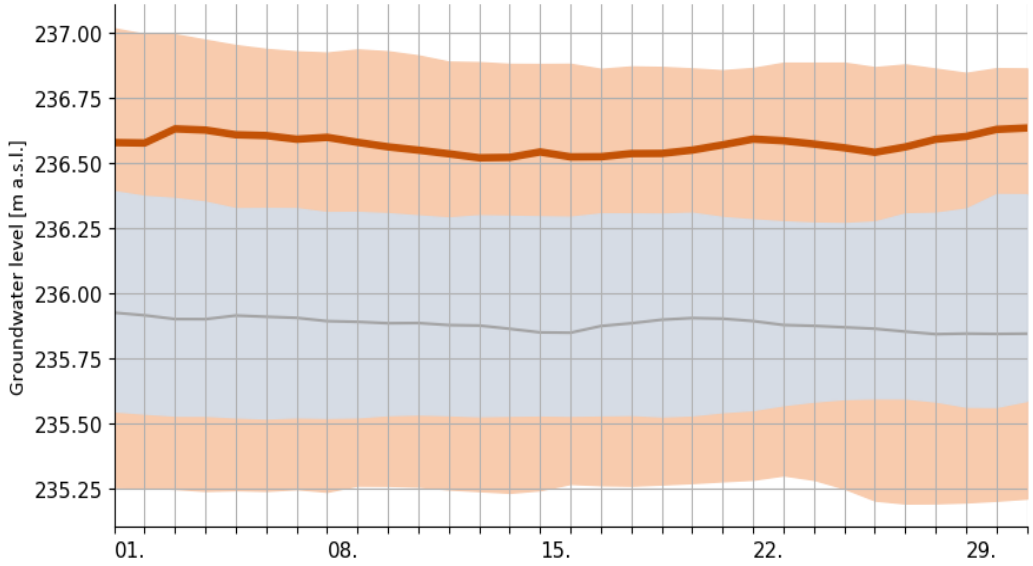
207.4 km²

3456.0 m
1927.0 m
939.0 m

Daily mean
5th ÷ 95th percentile range
50th percentile
25th ÷ 75th percentile range

Grundwasser
Acque sotterranee
Groundwater

Bozen, Einsteinstrasse | Bolzano, via Einstein

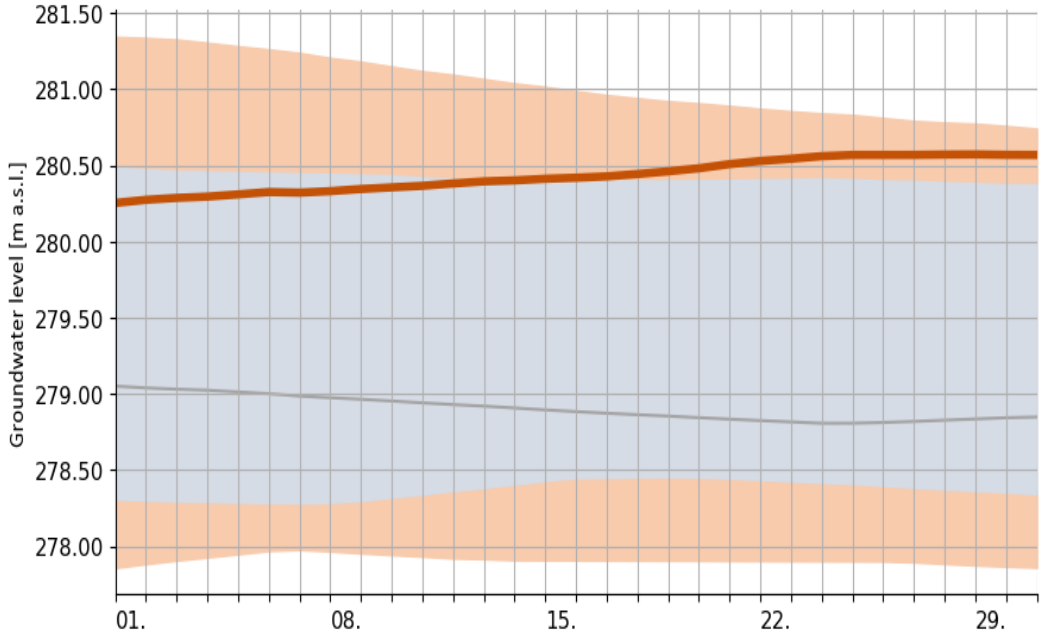






241.2 m

Meran, Viehmarkt | Merano, Foro Boario





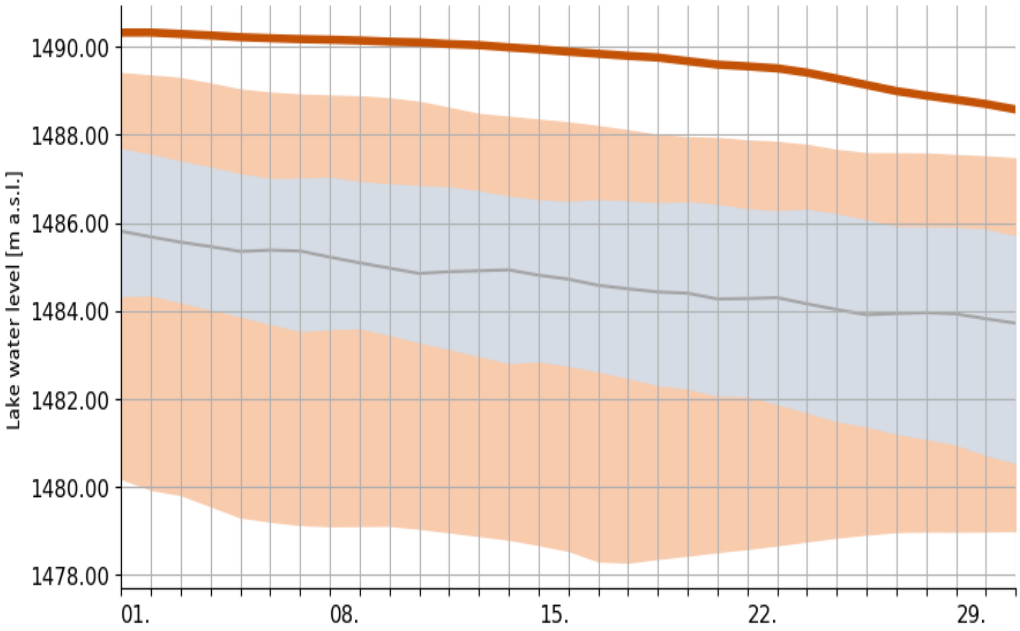


301.2 m

Daily mean
5th ÷ 95th percentile range
50th percentile
25th ÷ 75th percentile range

Seen
Laghi
Lakes

Reschen Stausee | Lago artificiale di Resia

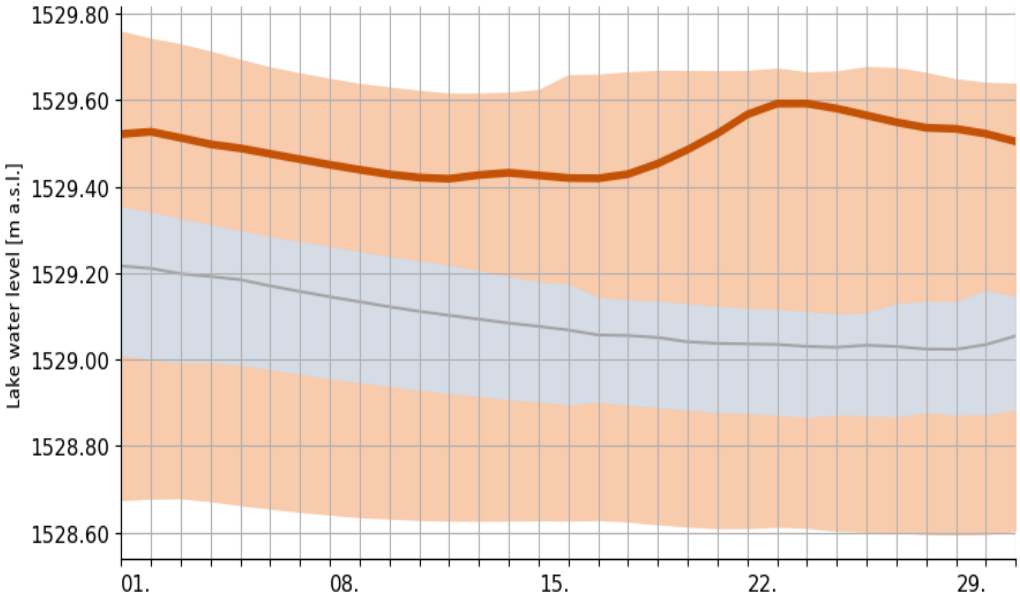






1465.8 m

Karersee | Lago di Carezza





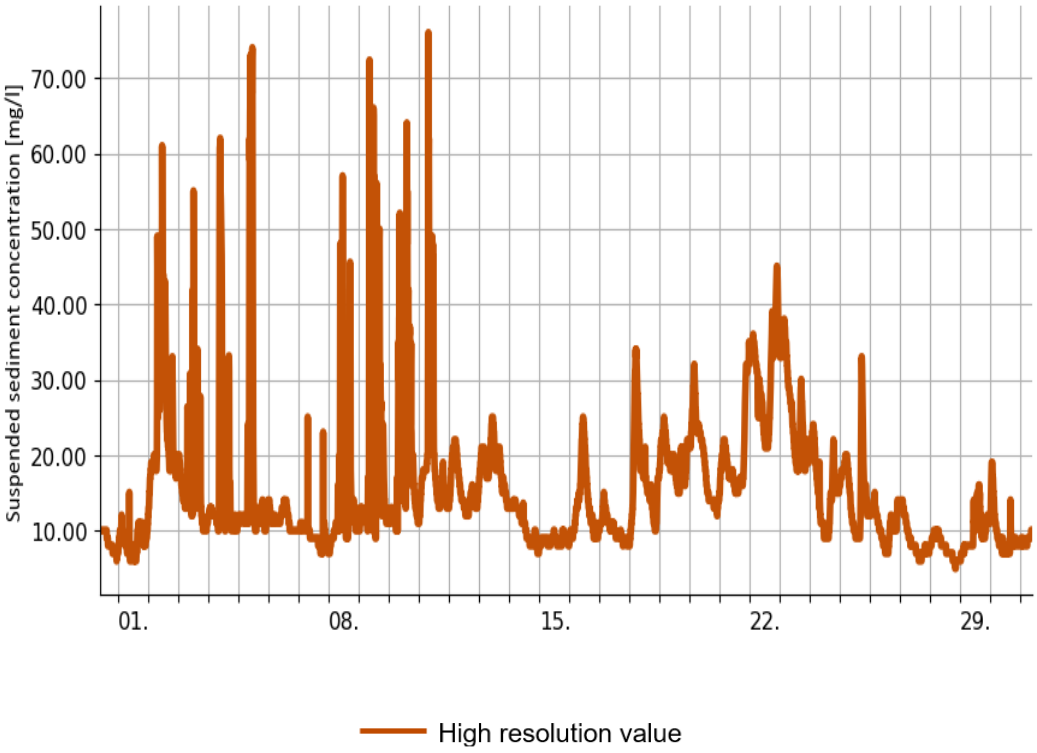


1524.3 m

Daily mean
5th ÷ 95th percentile range
50th percentile
25th ÷ 75th percentile range

Sedimentfracht
Carico di sedimenti
Sediment Load

Etsch, Salurn | Adige, Salorno







7146.0 km²



3905.0 m
1856.0 m
209.0 m

Glossar
Glossario
Glossary

Regionale Verteilung der Niederschläge [mm]: Räumliche Verteilung des Niederschlags, die durch Interpolation und Extrapolation der an den einzelnen Wetterstationen gemessenen monatlichen Niederschlagssummen gewonnen wird.
Standardisierter Niederschlagsindex SPI: Klimatologischer Index zur Identifikation von Niederschlagsüberschüssen und -defiziten (Trockenheit).
Durchflussmenge [m³/s]: Wasservolumen, das pro Zeiteinheit einen definierten Fließquerschnitt durchfließt.
Grundwasserstand [m ü.M.]: Höhe des Grundwasserspiegels, als Höhe über dem Meeresspiegel angegeben.
Seewasserstand [m ü.M.]: Höhe des Wasserspiegels, als Höhe über dem Meeresspiegel angegeben.
Schwebstoffkonzentration [mg/l]: Konzentration der Sedimente, die in Form von Suspensionen von Flüssen transportiert werden.
Referenzperiode [Jahre]: Langjährige Messperiode, die zur Berechnung der statistischen Normwerte (Perzentile) herangezogen wird. Nach Möglichkeit wird in diesem Bericht die 30-jährige WMO-Periode 1991-2020 verwendet.
Perzentil: Statistisches Lagemaß zur Beschreibung der mittleren hydrologischen Verhältnisse einer Station. Zum Beispiel ist das 95. Perzentil der Wert, unterhalb dessen 95% der Beobachtungen (in der Referenzperiode) liegen. Das 50. Perzentil, oder Median, teilt die Werte einer Verteilung in zwei gleich große Hälften.

Precipitazioni areali [mm]: distribuzione spaziale delle precipitazioni, che si ottiene per interpolazione ed estrapolazione delle cumulate mensili misurate alle singole stazioni meteorologiche.
Indice SPI: indice climatologico utilizzato per l'identificazione delle eccedenze e dei deficit di precipitazione (siccità).
Portata [m³/s]: volume d'acqua che attraversa una determinata sezione nell'unità di tempo.
Altezza della falda [m s.l.m.]: livello delle acque sotterranee, indicato come altezza sul livello del mare.
Livello del lago [m s.l.m.]: livello della superficie dell'acqua, indicato come altezza sul livello del mare.
Concentrazione di solidi sospesi [mg/l]: concentrazione dei sedimenti in sospensione trasportati dai fiumi.
Periodo di riferimento [anni]: periodo di misura pluriennale utilizzato per il calcolo dei valori statistici di riferimento (percentili). Laddove possibile, nel presente report viene utilizzato il periodo trentennale del WMO 1991-2020.
Percentile: indice statistico di posizione, utilizzato per descrivere le condizioni idrologiche medie di una stazione. Ad esempio, il 95° percentile è il valore al di sotto del quale si trova il 95% delle osservazioni (nel periodo di riferimento). Il 50° percentile, o valore mediano, divide i valori di una distribuzione in due parti uguali.

Regional rainfall [mm]: Spatial distribution of rainfall, which is obtained by interpolation and extrapolation of the cumulative monthly rainfall measured at the single weather stations.
Standardised precipitation index SPI: Climatological index, used for the identification of precipitation surpluses and deficits (drought).
Discharge [m³/s]: Volume of water that passes a given cross section of a watercourse over unit time.
Groundwater level [m a.s.l.]: Height of the water table, indicated as height above sea level.
Lake water level [m a.s.l.]: Height of the water surface, indicated as height above sea level.
Suspended sediment concentration [mg/l]: Concentration of suspended solids transported by rivers.
Reference period [years]: Multiannual measurement period used for the calculation of statistical reference values (percentiles). Where possible, the 30-year WMO period 1991-2020 is used in this report.
Percentile: Statistical value, used to describe the average hydrological conditions of a station. For example, the 95th percentile is the value below which 95% of the observations (in the reference period) are found. The 50th percentile, or median value, divides the values of a distribution into two equal parts.

Kennwerte des Einzugsgebiets I Caratteristiche del bacino idrografico I Carachteristics of the watershed



Stationsstandort mit Einzugsgebiet (dunkel)
Posizione della stazione con bacino (scuro)
Station location with catchment area (dark)

Einzugsgebietsfläche
Area del bacino imbrifero
Catchment area

Max., mittlere, min. Höhe
Quota massima, media, minima
Max., average, min. height

Impressum
Colophon

Zuständiges Amt I Ufficio competente I Reference office
Amt für Hydrologie und Stauanlagen I Ufficio Idrologia e dighe I Office for Hydrology and dams

Verantwortlicher Direktor I Direttore responsabile I Responsible director
Roberto Dinale

Konzept I Ideazione I Concept
Rudi Nadalet

Autoren I Autori I Authors
Rudi Nadalet, Roberto Dinale, Stefan Ghetta, Luca Maraldo, Martin Pernter, Mauro Tollardo, Hartmann Stuefer, Herbert Thaler

Eintragung I Iscrizione I Registration
Druckschrift eingetragen mit Nr. 24/97 vom 17.12.1997 beim Landesgericht Bozen.
Pubblicazione iscritta al Tribunale di Bolzano n. 24/97 del 17/12/1997.
Publication registered with n° 24/97 of 17/12/1997 at the Court of Bolzano.

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Wie man diesen Report zitiert I Come citare questo report I How to cite this report
Nadalet R., Dinale R., Ghetta S., Maraldo L., Pernter M., Tollardo M., Stuefer H., Thaler H. (2023). *HydroReport 03/2020,* Autonomous Province of Bolzano - South Tyrol.

Drususallee 116 • 39100 Bozen
Tel. 0471 41 61 90 • Fax 0471 41 61 59
afbs.provinz.bz.it • hydro-stauanlagen@provinz.bz.it

Viale Druso 116 • 39100 Bolzano
Tel. 0471 41 61 90 • Fax 0471 41 61 59
appc.provincia.bz.it • idro-dighe@provincia.bz.it