



independent | trusted | innovative

The UK Industry Standard for Rainfall Modelling

STORMPAC™ is a fully supported software package that generates hourly rainfall time series for the UK.

STORMPAC™ combines a stochastic rainfall generator with disaggregation models and hourly rainfall processing capabilities.

Key features include:

Stochastic rainfall generator – Imports daily rainfall series, available from the Met. Office, to generate robust hourly rainfall series for up to 50 years.

If there is no daily data for an area then the stochastic rainfall generator only needs a few inputs from the user to produce hourly rainfall data.

This is essential for areas where rainfall data is unavailable.

Multi-site RED generator this allows the user to generate RED files with many rain profiles and is useful for adding different soil types or rain gauges to RED files.

Catchment wetness indexes (UCWI and API30) are automatically calculated by the software – saving time.

Storm events are defined by the user selecting depth, intensity, duration, dry period or bathing season events (1st May to 30th September) with easy to use filters.





Disaggregator – hourly rainfall series can be split up into 5 minute series. The user has the option of using the Poisson Rectangular Pulses model (better for high intensity events) or the Ormsbee model.

Output – raindata is exported to RED files – compatible with widely used InfoWorks™ software.

STORMPAC™ – has also been calibrated for Sweden. Contact us for further details.

Support – A STORMPAC™ helpdesk subscription starts from £950 and gives users support in using the software.

Current subscribers contact the STORMPAC™ helpdesk by telephone or email to get answers to any questions about how to use STORMPAC™.

To complement this service the WRc Group provides consultancy on rainfall series and Urban Pollution Management applications for a wide range of customers from the Water Industry and the Environmental Regulators. Catchment studies include rainfall analysis, wastewater network modelling and assessment against spill frequency or environmental impact standards. The WRc Group has the expertise to apply all the tools – STORMPAC™, InfoWorks and SIMPOL ICM – to assess how environmental standards can be met.

