



# Speedwell Weather System

The Open Weather Derivative Pricing and Risk Management System

## SWS Version 9.0 What's New?

SWS Version 9.0 Beta will be released in February 2014  
This document previews its new features and enhancements

**Environmental  
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Best Global Weather Risk  
Management Advisory /  
Data Service Winner for  
the 6<sup>th</sup> consecutive year

**EnergyRisk**  
Software Rankings 2013  
#1 Weather Data Management

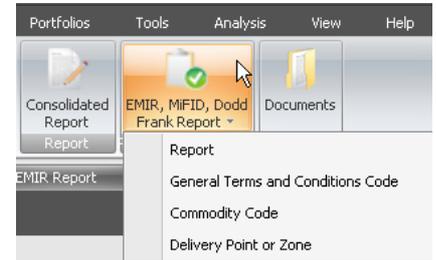


## .Net Engine

In the previous two versions of SWS, the user interface was significantly enhanced by moving to .Net. In Version 9, the core engine code has now been rewritten in .Net. By removing the 32 bit COM API, SWS is faster, more robust and has built the foundations for future development.

## EMIR, MiFID, Dodd Frank Reporting

SWS has been enriched with regulatory reporting facilities. Modifications have been made to the counterparties, trade booking and trade life cycle management screens. Many new forms have been created to provide the additional information needed for those reports.



## Extended Trade booking features to satisfy regulatory reporting

<b>REAL TRADE</b>		<b>BUY</b> <b>SELL</b>	<b>OTC</b>
ID Derivative: 263	EGL TAve H00 Feb 2014 Call 350		Trade Identifier: NOT SET
Portfolio: UK Winter			Trade Execution Time: 28/01/2014 14:34
Counterparty: A Power Company	Treat as DF Swap?	SWAP TRADE (Dodd Frank Regulations)	Condition Code: ISDA Master Agreement
Quantity: 1	Trans. Description:	Settlement Type Code: CASH	Algorithm Description:
Trans. Date: 28/01/2014	Payment Ref.:	Is Cleared? <input checked="" type="checkbox"/>	Delivery Point or Zone: NOT DELIVERED
Trans. Currency: GBP	Ticket Number: 1	Commodity Code: Weather Index	
Broker:	User's Ticket Ref.:		
Brokerage Amount: 0 GBP	User's Portfolio Ref.:		
Transaction Classification: OWNUSE - Own use	Transaction Matching: Matched Fully		
<b>Transaction Part ID: 1</b>			
ID of Derivatives in this Part: 263			
Cash Flow: 10,000.00	Premium Payment Due Date: 28/01/2014		
Calculation Date: 05/03/2014			
Settlement Due Date: 05/03/2014	Ref. For Counterparty:		
Post Settlement Due Date: 29/05/2014	Remarks:		
Account Ref.:			
EMIR Effective Date: 01/02/2014 00:00	EMIR Termination Date: 28/02/2014 00:00		

## User Interface improvements

An MS Office-like ribbon has replaced the menu in the SWS Desktop. Skins, Tabs and Screen management have been improved. Charts can be further customized and the user's specific settings are remembered.



## Improved Risk Calculations

The Enterprise Portfolio Logic is now better integrated within SWS. Users can specify the portfolio risk model and view the historical report more conveniently. Support for CAT has been added to the mark to market summary report spreadsheet.



## Document Management

We have introduced a new document management feature that lets you attach documents to transaction such as invoices and confirmations and to weather derivatives such as initial deal details.

Category	ID	Title	Version	Saved Date	Added By	File Name	Original File Path	Size (kB)	Create Date	Last Modified Date	Originating Machine	
Type: Confirmation												
Derivative	64	SWS_20140115_12131122	2	23/01/2014 14:35	Trader	SYNOP.Fil	C:\Users\brookes\Documents	3	07/11/2013 12:38	30/01/2013 13:14	SPEEDWELL10...	
Derivative	64	SWS_20140115_12131122	1	22/01/2014 12:20	Trial	SWS_2014...	C:\Users\morenom\Documents	1	22/01/2014 08:32	15/01/2014 12:13	SPEEDWELL10...	
Transaction	1	SWS_20140106_090620863	5	23/01/2014 16:43	BackOffice	SWS_2014...	C:\Users\choprag\Documents	5	23/01/2014 11:46	23/01/2014 11:46	SPEEDWELL10...	

## Improved Back Pricing

The back pricing logic has been greatly improved for the situation where there is missing data but a forecast is available. In this case, the new engine will infill the data with the best available forecast.

## 32 / 64 bit and the COM API

The SWS 9.0 .Net API is written for 32 and 64 bit mode compatibility. However, one last 32-bit dependency remains: a dll which is used for the index and payoff formulas. For this reason SWS remains a 32 bit application for now. In a later release, this last dll will be replaced by IronPython which will provide two great benefits: full 64 bit mode and support for even more flexible user formulas!

Although the COM API is no longer supported, it is shipped with SWS 9.0. to allow transition of legacy code.

Please contact us to discuss your specific needs and dependencies on the API to see how to best migrate your code.

## Release Date

SWS 9.0 Beta will be available in February 2014.

## Acknowledgements:

.Net is a trademarks of the Microsoft Corporation.



## Contacts

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Regarding weather risk software and consultancy services:

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Regarding world-wide weather data and weather forecasts:

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