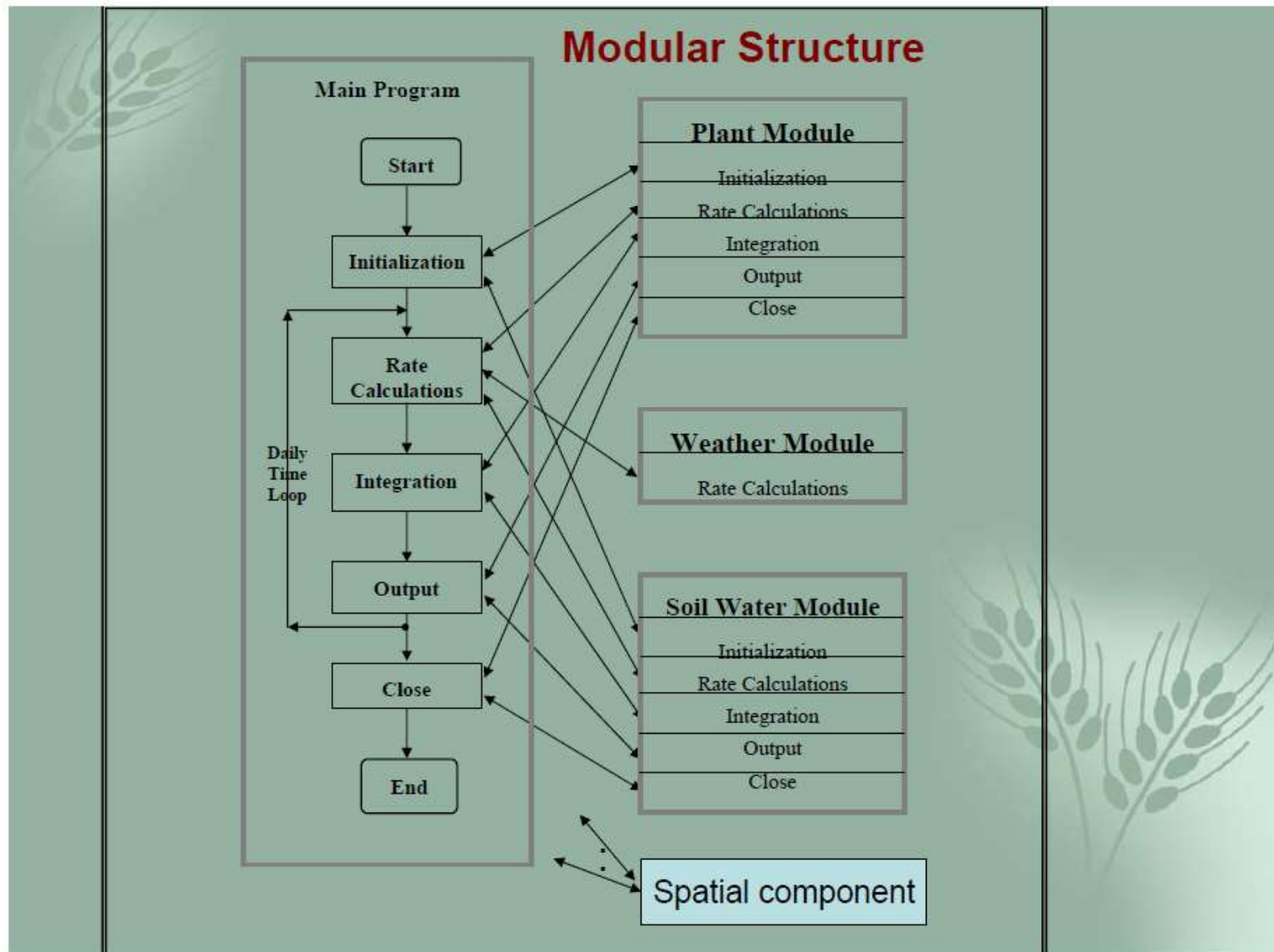


Introdução ao Sistema DSSAT

CEN0257- Modelagem de Sistemas Agrícolas e Ecológicos

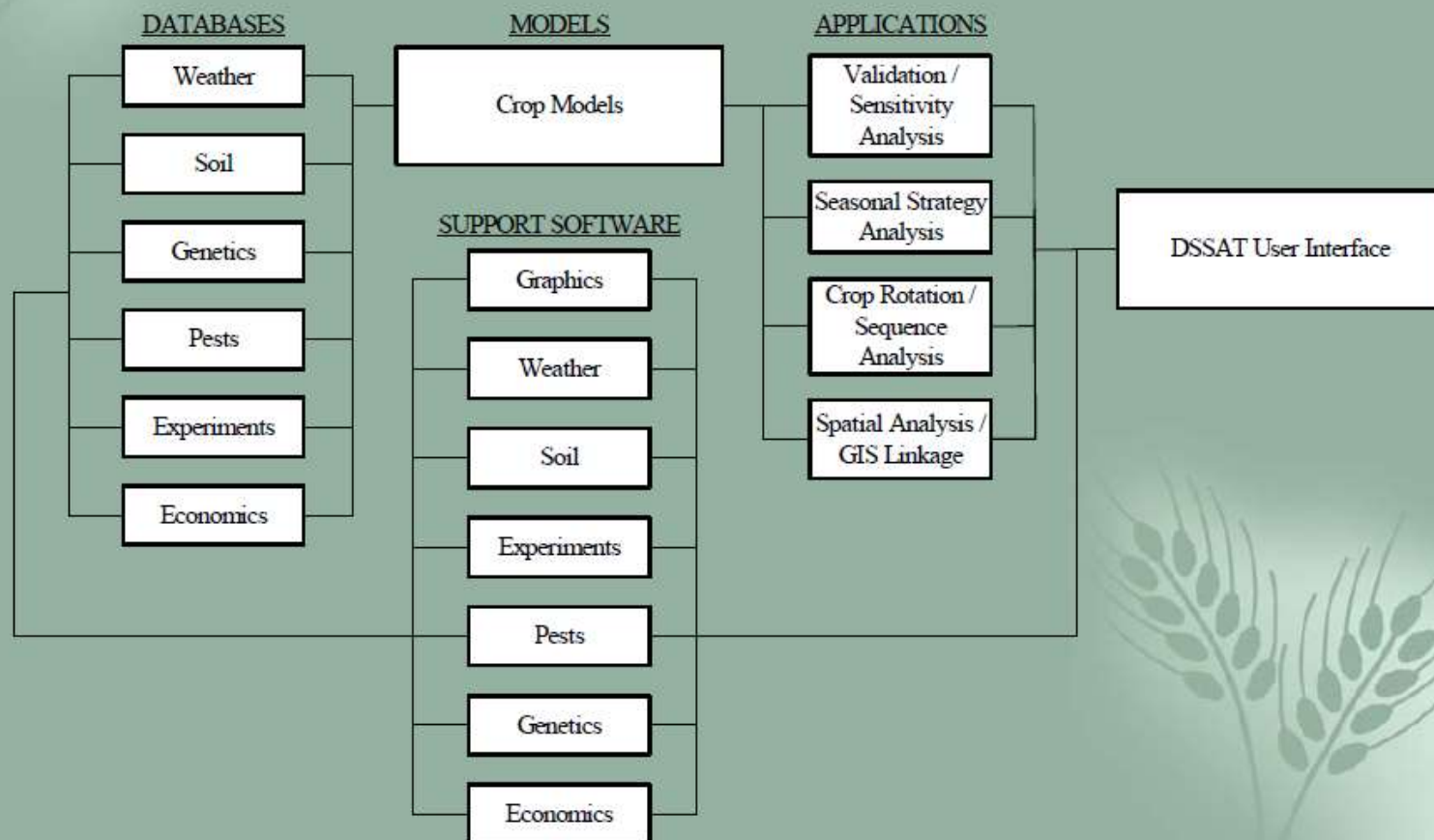


Estrutura do DSSAT



Componentes do DSSAT

Components of DSSAT v4.02



Ferramentas do DSSAT

DSSAT v4.5 **- Data Management Tools -**

- XBuild - Input Crop Management Information in Standard Format
- SBuild – Create and Edit Soil Profiles
- GBuild – Display Graphs of Simulated and Observed Data, Compute Statistics
- ATCreate – Create and Edit Observations from Experiments, Formatted Correctly
- WeatherMan - Assist Users in Cleaning, Formatting, Generating Weather Data
- ICSim – Introductory Tool to Demonstrate Potential Yield Concepts

Ferramentas do DSSAT

DSSAT v4.5 - Analysis Tools -

- Sensitivity Analysis - Vary Soil, Weather, Management, or Variety Characteristics for Insight
- Seasonal Analysis - Multiple Year Simulations to Evaluate Uncertainty in Biophysical and Economic Responses
- Rotation/Sequence Analysis – Long-term simulations to analyze changes in productivity and soil conditions associated with cropping systems
- Spatial Analysis - Define Spatially Variable Soil, Weather, Management Characteristics Across a Field or Region for Analysis

Interface do DSSAT



DSSAT Version 4.5.0.0

File Data Model Documentation Help

New

Tools

Selector

Crop Management Data

Graphical Display

Soil Data

Experimental Data

Weather Data

Seasonal Analysis

Rotational Analysis

Genotype Coefficient Calculator

Accessories

Utilities

Reference

My Shortcuts

Experiments Data Outputs

#	Experiment	Description	Modified
<input type="checkbox"/>	1 AG010701.SCX	JUAZEIRO AGROVALE	15:09:48, Fri, 23 Sep 2011
<input type="checkbox"/>	2 AGP7245.SCX	AGMIP RB72454 CANEGRO FOR ISSCT 2012 -	10:57:24, Wed, 4 Apr 2012
<input type="checkbox"/>	3 CSAT0601.SCX	EBAT0601SC VALIDACAO - APARECIDA DO TABOADO...	14:55:24, Mon, 22 Mar 2010
<input type="checkbox"/>	4 CSC00701.SCX	EXPERIMENTO USINA CORURIBE - EMBRAPA CPATC - CA	11:43:44, Wed, 5 Oct 2011
<input type="checkbox"/>	5 CSP0401.SCX	EBP0401SC EXPERIMENT DATASET 1 - PIRACICABA - S...	13:23:40, Wed, 24 Mar 2010
<input type="checkbox"/>	6 CSUN0701.SCX	EBUN0701SC EXPERIMENTO COMVAP - CASUPRO	18:40:50, Mon, 22 Mar 2010
<input type="checkbox"/>	7 EB750701.SCX	PARAMETRIZACAO RB7515	19:54:44, Thu, 3 Nov 2011
<input type="checkbox"/>	8 EB750702.SCX	PARAMETRIZACAO RB7515	17:30:02, Wed, 29 Jan 2014
<input type="checkbox"/>	9 EB750703.SCX	PARAMETRIZACAO RB7515 - Teste Chupibase	6:30:58, Tue, 2 Jul 2013
<input type="checkbox"/>	10 EB751503.SCX	PARAMETRIZACAO RB7515 NC0376	23:15:22, Tue, 10 Sep 2013
<input type="checkbox"/>	11 EB832847.SCX	XPERIMENT DATASET FOR RB83 2847 - PIRACICABA	18:46:14, Fri, 7 Oct 2011
<input type="checkbox"/>	12 EBAT0601.SCX	VALIDACAO - APARECIDA DO TABOADO-MS	11:16:42, Wed, 5 Oct 2011
<input type="checkbox"/>	13 EBCL0401.SCX	EXPERIMENT COLINA - SP	11:45:08, Wed, 5 Oct 2011
<input type="checkbox"/>	14 EBC00701.SCX	EXPERIMENTO USINA CORURIBE - EMBRAPA CPATC - C...	17:09:08, Thu, 26 Jul 2012
<input type="checkbox"/>	15 EBJA0201.SCX	EXPERIMENTO BRIX DE 7 VARIEDADES - CANEGRO	20:13:10, Thu, 4 Feb 2010

Treatments

Usando o DSSAT



- Exercício Prático – Acompanhar o professor:
 - Localize o experimento UFGA7801.scx na pasta /Legumes/Soybean do DSSAT
 - Simule o experimento e descreva os resultados.

Apresentação das ferramentas

- Soil
- Weather
- Genetics
- xBuild

Obrigado!