



# WP6 – USE OF BUSINESS PLAN TOOL

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# Business plan solution

- 700 x 16 pages → 11200 pages! → we try to cut down to 15 pages or less
- The planned executable application
  - Simplified business plan compilation → great reduction of workload for partners
  - Automatic printout of the report and saving of data for statistic purposes on a on-line SQL
  - Realtime statistics collected on-line
  - Easy to change data without redo the BP



# Application implementation

- Delphi with on line SQL database
- Loading of excel file in the application
- Interface to edit (default)/add comments on the BP template
- Ability to insert parameters from excel inside the comments with a tag style
  - easy update of the BP
  - reusability of the BP for another customer
  - great time savings!
  - Consistency of BP with Excel data



# Data saving with the executable application

- Each user has one project
  - Many documents, one per each business plan
  - For each document/project there is a local folder
    - Contain the excel file used to make the BP
    - Contain the BP saved locally
  - To print the BP the user should be connected to internet/Wifi
    - Data saved on SQL remote Database
    - Automatic update of statistics about BP
    - Easy monitoring of the progress



# Benefits/cost of the tool

- Benefits:
  - Estimated 80 % time reduction in making BP
  - Safety of data, reusability of data and BP
  - Great time saving for partners
  - Error free filling for partners
  - Always last excel version for data filling
  - Secure repository of data
  - Continuous monitoring of progress against deadline
- Cost:
  - More development cost than expected to make something usable and connected with Excel, with backup of data and BP



# Steps to make a BP

1. create new business plan (named document)
2. insert main data into the document
3. download Excel Tool
4. open Excel and fill in data
5. save and close the Excel tool
6. load values inside the BP tool
7. Edit the BP report
8. Print the BP report



# New user

- Select the flag of your country
- Fill in all the fields
- Password must be 8 or more

Login

Company  
Hengelo farm

Last name  
Sopegno

First name  
Alessandro

Address  
St. test

Phone number  
+3100000000

eMail  
test.com

User Name  
Test

New Password  
\*\*\*\*\*

Repeat New Password  
\*\*\*\*\*

✓ Check    ✗ Abort



# Login

- Login with username, password, language (choose the right flag)

Login

German Spanish French Italian Hungarian British

User Name  
test

Password  
\*\*\*\*\*

✓ Check ✗ Abort

- User cannot change the language, nor password and user name → take notes of what you choose





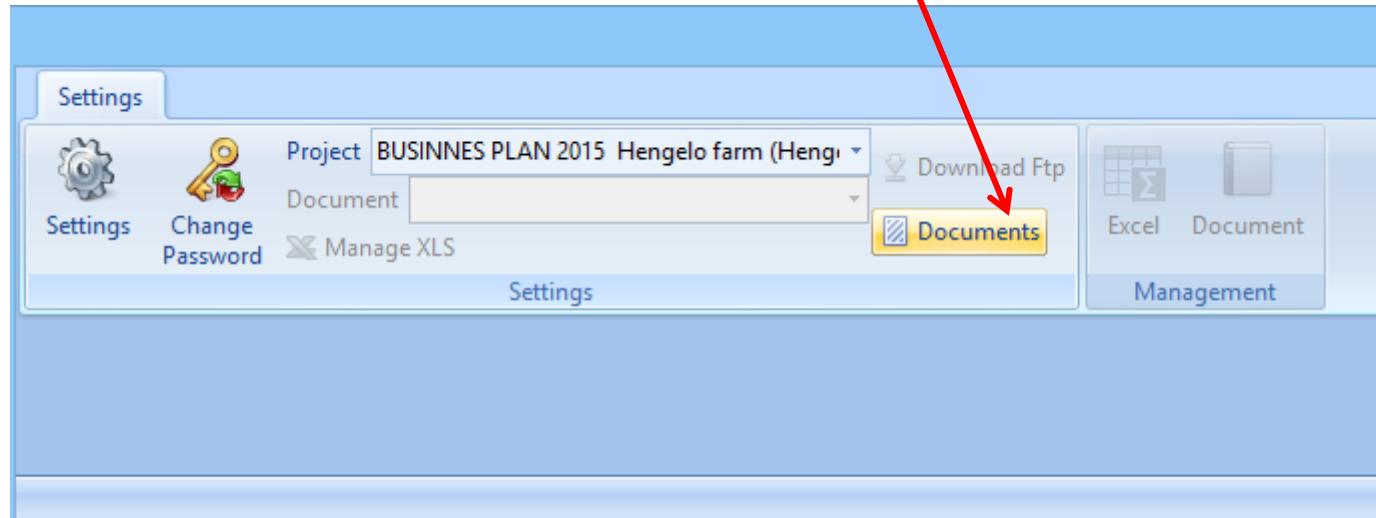
# comments

- All BP made under one user:
- Belong to this user
- Will use the language chosen by the user during registration procedure



# 1. Create new documents

- Click on the «Documents» button



- Then a new window will open → Click on «insert»



## 2. Insert main data into the document

- Fill all the requested field
- Click on **save** button

Documents

Operations

Close Insert Edit Save Undo Delete

PROJECT_TITLE	FARMER_INFO	EXPERT_PROCESSING	DEVELOPED_BY	LAST_UPI
<No data to display>				

0 of 0

PROJECT\_TITLE: Test1

FARMER\_INFO: test

EXPERT\_PROCESSING: Remigio Berruto

DEVELOPED\_BY: Alessandro Sopegno

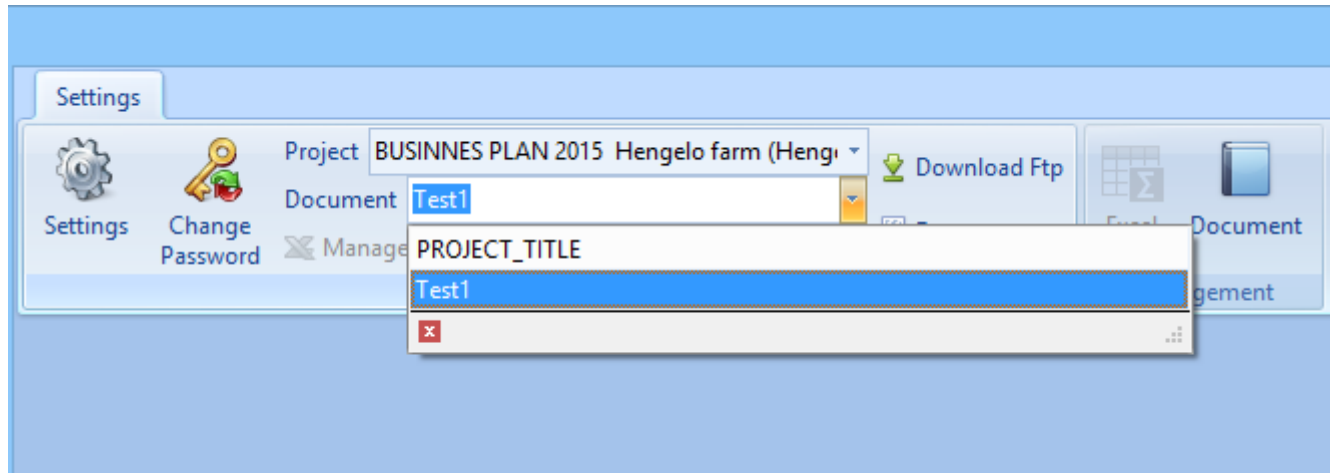
Language: English

LAST\_UPDATE: [dropdown]



# New documents

- Click on **close** button
- Select the documents on the select menu – select the new one





# download Excel Tool

- Click on **Download Ftp** (you must be online)
- Click on **Manage XLS** → open in Excel
- Now you are able to use the excel tool, once you filled in all the parameters of your farm you can save it and close it



# Load values inside the BP tool

- Once you filled the excel tool you can load the data in the business plan tool:
  - Click on the **EXCEL** button



Parameter	Value/content
Country	Italy
Region	0
Cattle_type_1	Dairy cows
Cattle_type_2	Young dairy cows
Cattle_type_3	Young dairy cows
Cattle_type_4	0
Cattle_type_5	0
Cattle_type_6	0
Cattle_no_1	275
Cattle_no_2	35
Cattle_no_3	35
Cattle_no_4	0
Cattle_no_5	0
Cattle_no_6	0
Manure_production	8.042 [ton/yr]
Cattle_supply_1	0 [ton/yr]
Cattle_supply_2	0 [ton/yr]
Cattle_supply_3	0 [ton/yr]
Cattle_supply_4	0 [ton/yr]
Cattle_supply_5	0 [ton/yr]



- Click on the **load value** button

Load Value

Parameter	Value/content
Country	Italy
Region	0
Cattle_type_1	Dairy cows
Cattle_type_2	Young dairy cows (calf <1
Cattle_type_3	Young dairy cows (calf >1
Cattle_type_4	0
Cattle_type_5	0
Cattle_type_6	0
Cattle_no_1	275
Cattle_no_2	35
Cattle_no_3	35
Cattle_no_4	0
Cattle_no_5	0
Cattle_no_6	0
Manure_production	8.042 [ton/yr]
Cattle_supply_1	0 [ton/yr]
Cattle_supply_2	0 [ton/yr]

- Values are stored in a remote (internet) DB and available to fill in the document (BP)



# Use of the business plan tool

- Click on «Document». Now you can edit the business plan report

The screenshot shows a software interface for editing a business plan report. The top menu bar includes options like Save, Copy, Paste, Redo, Show/Hide, Bold, Italic, Underline, and Font and Colors. Below the menu bar, there are tabs for 'Build Document' and 'Print Document'. The main area is divided into three sections:

- Left Panel (Document Structure):** Shows a tree view of the document sections. The selected section is 'SCOPO DEL INVESTIMENTO'. Below it, there are buttons for 'Update' and 'Cancel'.
- Center Panel (Text Editor):** Displays the text of the selected section. The text is: 

**1 DESCRIPTION of the projects**

In recent years the interest in the production of renewable energy through the anaerobic digestion of vegetable products and animal manure is more developed in farms of the regions of Northern Italy, especially in the light of the national incentives and community intended for this production.

Precisely in this sense, the farm PUTERO LUIGI MICHELE from years dedicated to the cultivation of cereals, has decided to enhance the biomass produced in the company, with the integration of wastewaters from third-party companies, within an anaerobic digestion plant with the production of biogas of electric power equal to `<#CHP_capacity(BIOGAS)#>` kW.

The digestato product, after a suitable period of storage, then the call will be distributed on the land available to the company, then going to close a sort of cycle and resulting in a considerable saving of mineral fertilizers.

The applicant company then intends to propose a system that will be powered with plant biomass and animal waste.
- Right Panel (Data Table):** A table with two columns: 'TYPE\_DATA' and 'BIOGAS'. The table contains the following data:

TYPE_DATA	BIOGAS
Cosub_supply_3	0 [ton]
Cosub_supply_4	0 [ton]
Cosub_supply_5	0 [ton]
Cosub_supply_6	0 [ton]
Cosub_supply_total	0 [ton]
Cosub_costs_1	0 [X/yr]
Cosub_costs_2	0 [X/yr]
Cosub_costs_3	0 [X/yr]
Cosub_costs_4	0 [X/yr]
Cosub_costs_5	0 [X/yr]
Cosub_costs_6	0 [X/yr]
Digester_volume	540 [m³]
Digester_biogas_prod	275.256 [m³/yr]
Biogas_prod	4.336 [GJ/yr]
Heat_prod	4.336 [GJ/yr]
CHP_electricity_prod	526.925 [kWh/yr]
CHP_heat_prod	2.710 [GJ/yr]
CHP_capacity	72 [kWe]
Biomethane_prod	170.102 [m³/yr]
Biomethane_prod_hr	21 [m³/hr]





# Use of the business plan tool

- On the left of the screen you have the index of the report.
- On the middle you can edit the text of the report
- On the right you have the TAGS. You can use the tags to auto compile all the value of the excel tool in the text (middle part) of the business plan report.
- Click on it!



# Look at the BP version

- What we need?



# Next actions to start BP preparation

Date	Task	Partners
15/03/15	Preliminary version of BP	DEIAFA, CCS
31/03/15	Comment sent on BP	ALL
29/04/15	1° release of BP Tool	DEIAFA
30/04/15	Training on BP tool usage	DEIAFA
20/05/15	Modification to BP in local language	ALL
31/05/15	Tool and BP templates ready in all languages	ALL





# contact

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