

Digital Farm Project 2 structure



Soil Durability

Agronomists



Students will work on an actual and social problem: the uses of chemicals which contaminate soil and reduce biodiversity. They have to find new solutions to control weeds and reduce the use of chemicals.

Learning tools



3Dswgmr

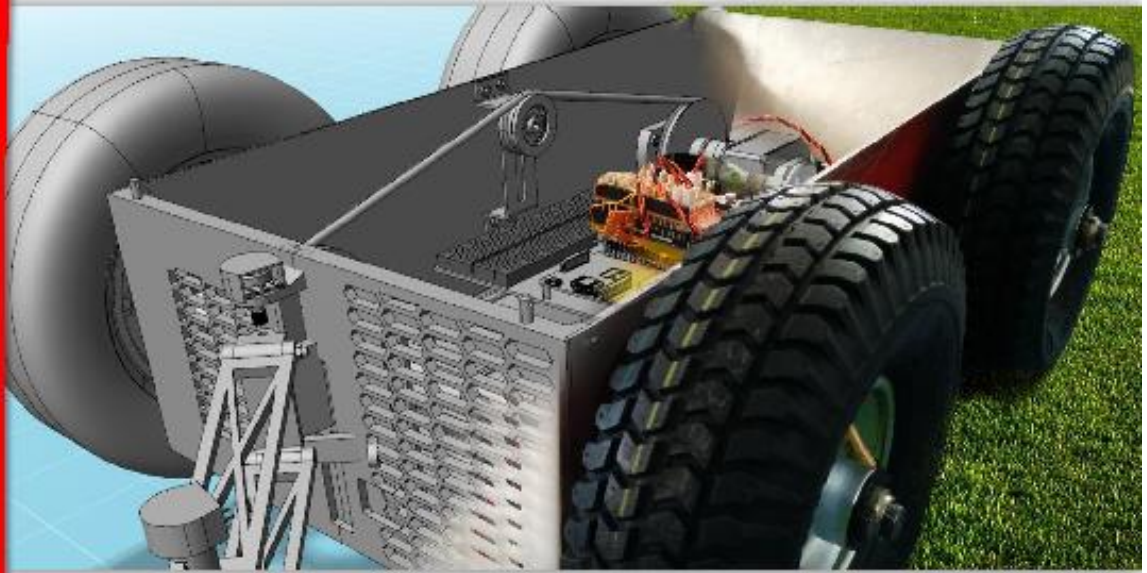


3DDashboard



Autonomous Robot

Mechanics, electronics, IT and agronomy



We have a physical robot with its 3D model which came from the Digital Farm Project 1. This year, we want to improve it with a weeder, a camera and a further in-depth design.

Learning tools



Part Design



Assembly Design



Functional & Mechanical Sys. Logical Design



Mechanical Sys. Design



SOLIDWORKS



Electrical Sys. Design



Project Management



Communication Manager

Communication



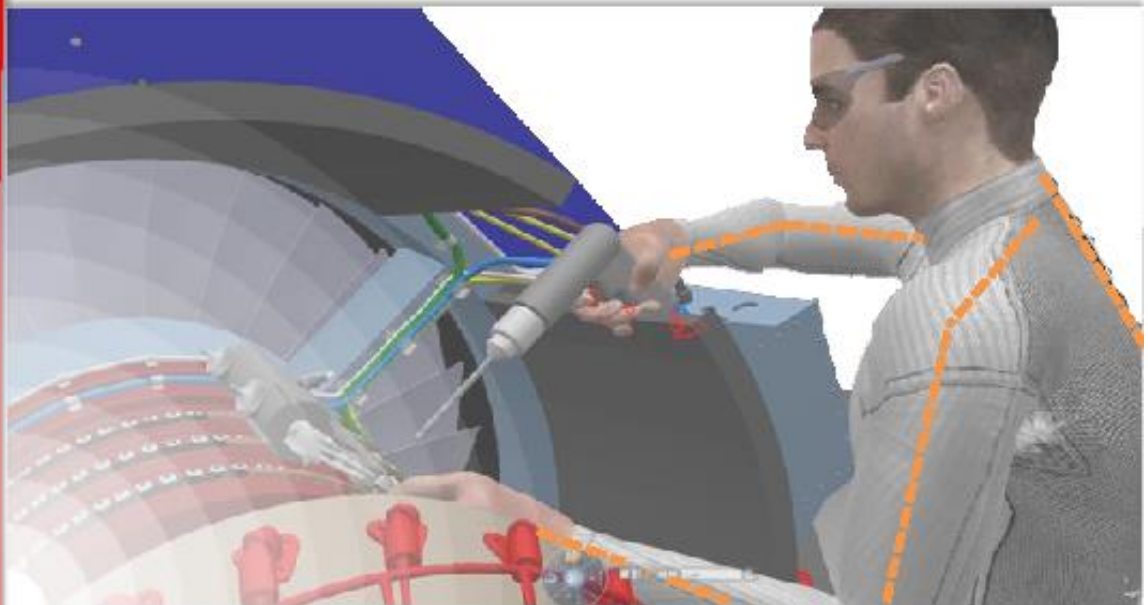
Digital Farm Project 2 is an international project involving around 10 countries and 4 partners. That's why we need a powerful communication. The community manager will be in charge of: digital media & marketing, advertising, writing newsletters and articles in newspapers.

Learning tools



Ergonomics

Mechanical Students



A lot of farmers' tasks create dolor and consequences... So students will work on an actual problem: the improvement of farmers' working conditions. The subject will be on a daily farming operation on tractors and will be simulated on the **3DEXPERIENCE** Platform.

Learning tools



Part Design



Assembly Design I



Mechanical Sys. Design II



3DSolve II



Ergonomics Evaluation



Ergonomics Human Locator



Ergonomics at Work



Farm Architecture

Mechanics and agronomists



We have a 3D model of the Farm 2014. This year, we want to improve it with the specifications of a real farm. The students will take a look at the farmer' farm, deduce specifications of the future building, modify the 3D model and make a virtual visit.

Learning tools



Part Design



Assembly Design



Mechanical Sys. Design

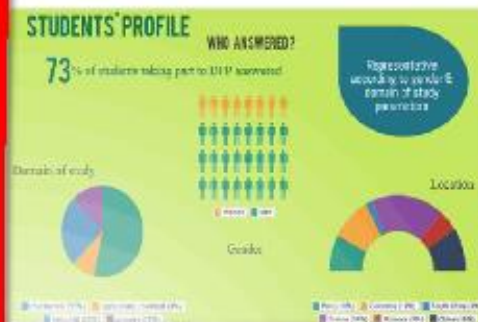


Simulation



Collaborative Project Facilitator

Educationalist



To ensure a smooth conduct of the project, we are hiring a trainee for 5 months, who will be in charge of the facilitation of students' collaboration. He/she will keep a look at timetable regulation, students' participation in weekly meetings, integration between subjects etc.

Learning tools



3DSwym



3DDashboard



Project Management

