GO-LAB

The Go-Lab team

- 19 partners
- East (Tartu) and West (Lisbon)
- North (Tartu) an South (Nicosia)
- Commercial, non-commercial
- Large and small organizations
- Experience – non-experience

- New and old colleagues

Objective ICT-2011.8.1, target b2

GO-LAB

We should have the combination

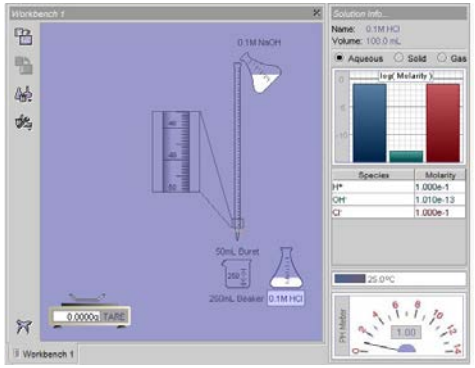
Supporting European wide federation and use of remote laboratories and virtual experimentations for learning and teaching purposes. The service shall enable online interactive experimentations by accessing and controlling real instruments, or using simulated solutions. Open interfacing components for easy plug-and-play of remote and virtual labs should be made available to stimulate the growth of the network of labs. Research shall include work on the user interfaces that mediate the complexities of creation and usability of experiments, for specific pedagogical contexts in primary and secondary schools and higher education, including at university level. This part of the target outcome should be pursued by IPs that include large scale pilots

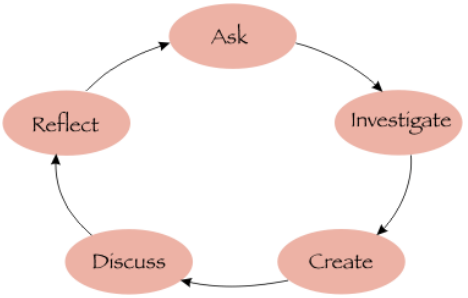
We should leave room for new lab providers

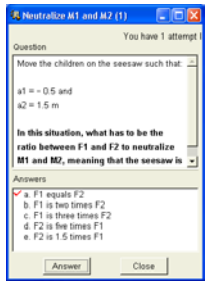
Scaffolds play a central role

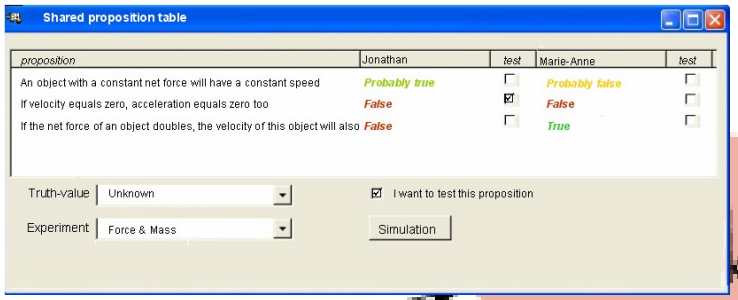
So different levels of users

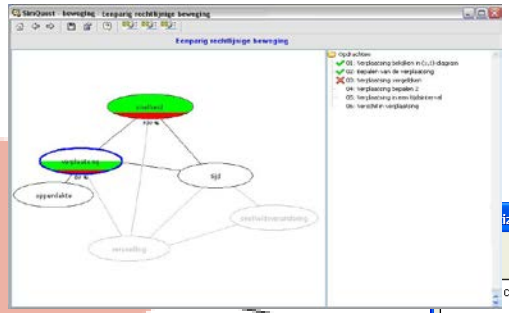
Go-Lab after four years

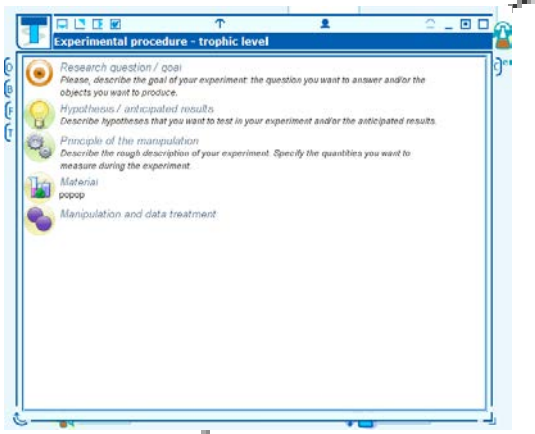


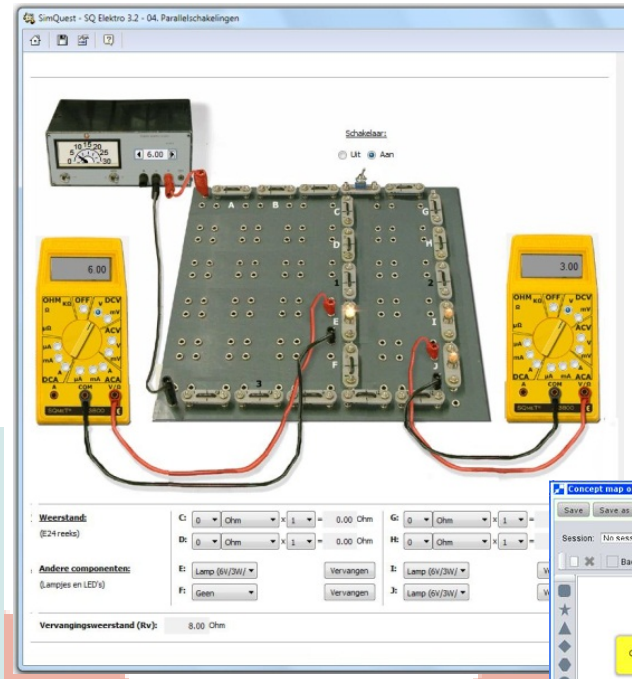


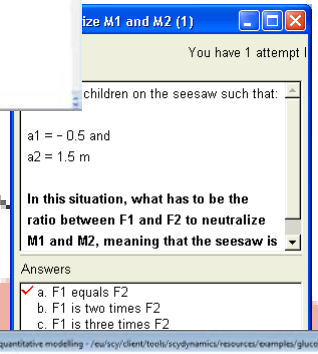


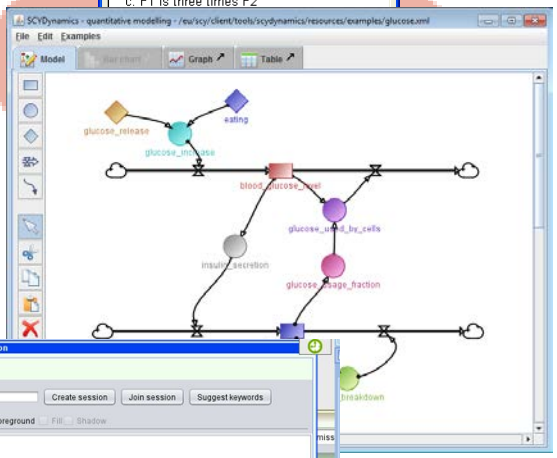

Shared proposition table
proposition
Jonathan
test
Marie-Anne
test
An object with a constant net force will have a constant speed
Probably true
Probably false
If velocity equals zero, acceleration equals zero too
False
False
If the net force of an object doubles, the velocity of this object will also
False
True
Truth-value
Unknown
I want to test this proposition
Experiment
Force & Mass
Simulation

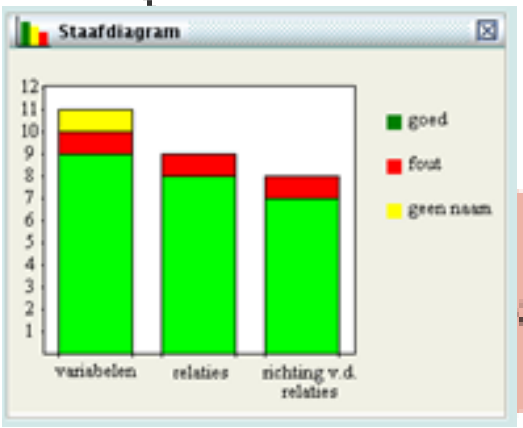


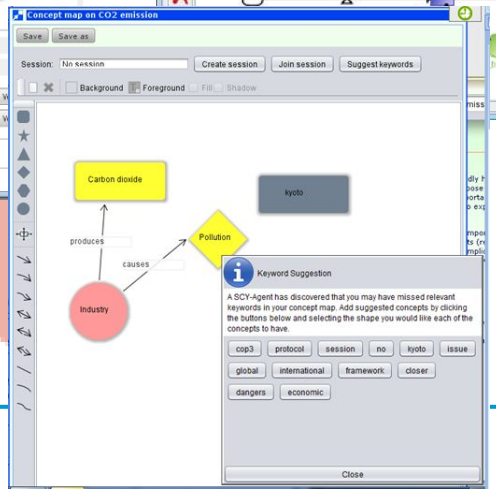

Experimental procedure - trophic level
Research question / goal
Please, describe the goal of your experiment: the question you want to answer and/or the objects you want to produce.
Hypotheses / anticipated results
Describe hypotheses that you want to test in your experiment and/or the anticipated results.
Principle of the manipulation
Describe the rough description of your experiment. Specify the quantities you want to measure during the experiment.
Material
popop
Manipulation and data treatment


SimQuest - SQ Elektro 3.2 - 04. Parallelschakelingen
Schakelaar:
Uit
Aan
Weerstand:
Andere componenten:
Vervangingsweerstand (Rv):
8.00 Ohm


ize M1 and M2 (1)
You have 1 attempt l
children on the seesaw such that:
a1 = - 0.5 and
a2 = 1.5 m
In this situation, what has to be the ratio between F1 and F2 to neutralize M1 and M2, meaning that the seesaw is
Answers
a. F1 equals F2
b. F1 is two times F2
c. F1 is three times F2


SCYDynamics - quantitative modelling - /eu/scy/client/tools/scydynamics/resources/examples/glucose.xml
File Edit Examples
Model
Graph
Table
glucose_release
eating
blood_glucose_level
glucose_used_by_cells
insulin_secretion
glucose_usage_fraction
breakdown


Staafdiagram
goed
fout
geen naam
variabelen
relaties
richting v.d. relaties


Concept map on CO2 emission
Save
Save as
Session:
No session
Create session
Join session
Suggest keywords
Background
Foreground
Carbon dioxide
kyoto
Pollution
produces
causes
Industry
Keyword Suggestion
A SCY-Agent has discovered that you may have missed relevant keywords in your concept map. Add suggested concepts by clicking the buttons below and selecting the shape you would like each of the concepts to have.
cop3
protocol
session
no
kyoto
issue
global
international
framework
closer
dangers
economic
Close