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Podium Data: Harnessing the Power of Big Data Analytics

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What is photosynthesis?

Photosynthesis is the process plants undergo. They take in CO_2 and release oxygen. They use energy from sunlight, water, and CO_2 to "make" sugars and oxygen. This creates a healthy balance because we take in the oxygen and release their CO_2 .

The problem

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The problem with the way we do things now is that the combustion releases too much dirty CO₂ into the atmosphere. All this dirty CO₂ is throwing the balance off the carbon cycle and we humans may die if we continue our harmful ways.

Changes

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How could we change? We could help the environment if we harnessed the power of photosynthesis to our advantage! How do we do that is the question.

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Example & How!

Linköping University 'wired up' a garden rose by setting the flower into a basin of water containing a liquid that conducts electricity. As the rose absorbed the water it also took electrons which then combined itself with the flowers own biology.

Example

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Plants could be wired up and used like solar cells to produce energy through photosynthesis



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Plants could be wired up and used like solar cells to produce energy through photosynthesis



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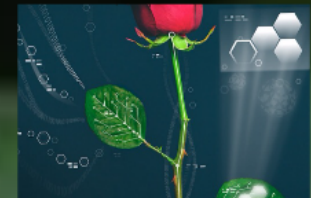
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once inside the plant, the conducting liquid was designed to automatically self-organize to form a wire with the help of the ions in the flower. Plants rely on the transport of ionic signals.

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Example!

A graphic showing how a rose could generate power



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Example!

A graphic showing how a rose could generate power

