Landsat helps me every day

**Food**
Farmers use Landsat imagery to help answer questions like:
- How healthy are my crops?
- How much water am I using for irrigation?
- Where do my crops need water or fertilizer?
- How much food will we produce this year?

**Cities**
City planners use Landsat imagery to help answer questions like:
- How fast is the city growing?
- Which areas were damaged during a natural disaster, and how can we prevent damage next time?
- How do roads, parking lots, and buildings influence water pollution?

**Climate**
Climate scientists use Landsat imagery to help answer questions like:
- How much is the shoreline changing?
- Where are forests being removed?
- How are ecosystems changing?
- How and where are the Earth's glaciers and ice sheets changing?

**Forests**
Land managers use Landsat imagery to help answer questions like:
- How quickly is a forest recovering from a fire?
- Where are pests causing damage?
- Where are we harvesting timber and replanting trees?
- How can we best manage this forest?

The first Landsat satellite launched in 1972. With more than 40 years of images, Landsat provides the longest space-based record of the Earth's landscapes ever. Landsat 8 launched in 2013 to continue the record long into the future.

**Landsat sees Earth change**

**Saudi Arabia, 1987:**
Where is the food? Not here. The desert landscape is brown and red with no sight of growing plants in this Landsat image.

**Saudi Arabia 2012:**
By 2012, Saudi Arabia had tapped into underground water to cultivate millions of acres of land. Crops are visible as bright green circles in this Landsat image.

**Photo by Gary Yost Photography**