

## **Tohoku earthquake and tsunami**

### **Picking Up the Pieces at Ravaged Tohoku University**

Four months after the earthquake and tsunami disaster, Tohoku researchers are finding new meaning in their work

July 8, 2011, Science: News Focus, © 2011 AAAS/Science

### **No fallout legacy for Japan's farms**

But the most contaminated soils need urgent clean-up

July 12, 2011, Nature News, © 2011 NPG

### **Shake-up time for Japanese seismology**

Robert J. Geller calls on Japan to stop using flawed methods for long-term forecasts and to scrap its system for trying to predict the 'Tokai earthquake'

April 14, 2011, Nature:Comment, © 2011 NPG

### **A long shadow over Fukushima**

As with the 1986 Chernobyl accident, it is caesium-137, with a half-life of 30.2 years, that will determine the long-term impact on the contaminated region and its residents

April 5, 2011, Nature: World View, © 2011 NPG

### **Scientific Consensus on Great Quake Came Too Late**

A few years before the magnitude-9.0 Tohoku earthquake struck northeastern Japan on 11 March, a scientific consensus had begun to coalesce around the idea that a Jogan Sanriku Earthquake-like event could happen again

April 1, 2011, Science: News & Analysis, © 2011 AAAS/Science

### **Algae holds promise for nuclear clean-up**

Organism's ability to distinguish strontium from calcium could help in dealing with nuclear waste (ChemSusChem)

March 30, 2011, Nature News, © 2011 NPG

### **Concerns over nuclear energy are legitimate**

The Fukushima crisis raises genuine questions

March 30, 2011, Nature News, © 2011 NPG

### **Chernobyl's legacy**

Twenty-five years after the nuclear disaster, the clean-up grinds on and health studies are faltering. Are there lessons for Japan?

March 28, 2011, Nature News, © 2011 NPG

### **Radiation Risks Outlined by Bombs, Weapons Work, and Accidents**

Risk calculations are based heavily on a 63-year study of 94,000 people who survived the two atomic bombs dropped on Japan in August 1945. It is one of the largest, longest population studies ever done; for radiation safety, it is the gold standard.

March 25, 2011, Science: News & Analysis, © 2011 AAAS/Science

### **Japan's Research Facilities Down But Not Out**

Two of Japan's major physics facilities were knocked out indefinitely, and many laboratories along the eastern seaboard have lost instruments and research materials or are shuttered due to rolling blackouts. In a glimmer of good news, the university hardest hit by the quake suffered no fatalities at its campuses.

March 25, 2011, Science: News & Analysis, © 2011 AAAS/Science

### **Candidate Radiation Drugs Inch Forward**

Over the past 5 years, a few promising candidate drugs designed to ward off the effects of radiation exposure have begun to undergo animal, and even human, testing. Still, only a few companies and academic groups are addressing this unmet need.

March 25, 2011, Science: News & Analysis, © 2011 AAAS/Science

### **The long road back**

For now, Japan's scientists have higher priorities than rebuilding their research infrastructure, but when they do get to it, they will need help from the international scientific community

March 24, 2011, Nature Editorials, © 2011 NPG

### **Quake shakes Japan's science**

Natural disaster leaves researchers struggling with broken equipment and a crippled infrastructure

March 21, 2011, Nature News, © 2011 NPG

### **Giant shock rattles ideas about quake behavior**

Few experts thought the seismic zone off Sendai, Japan, was capable of such violence  
March 15, 2011, Nature News, © 2011 NPG