

1999

Pluto crosses Neptune's orbit, ending a nearly 20-year period (since 1979) when it was closer to the Sun than the gas giant; Pluto is not expected to interact with Neptune's orbit for another 228 years.

2001

A Dutch programmer launched the **Anna Kournikova virus** infecting millions of emails via a trick photo of the tennis star.

2006

U.S. Vice President **Dick Cheney** shot Harry Whittington, a 78-year-old Texas attorney, while participating in a quail hunt on a ranch in Riviera, Texas.

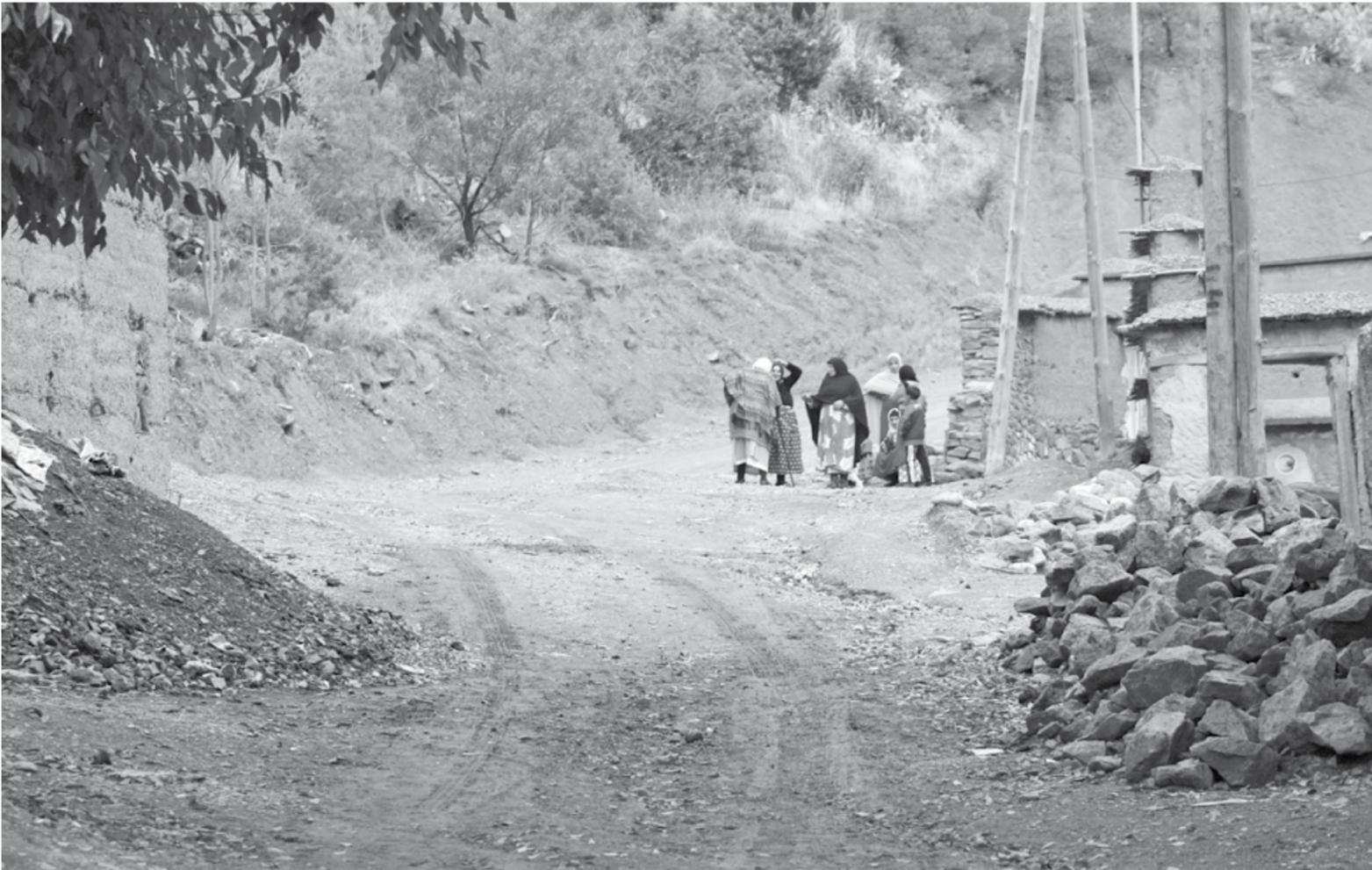


2008

Rebel **East Timorese** soldiers seriously wound President **José Ramos-Horta**. Rebel leader Alfredo Reinado is killed in the attack.

Civil society matters to the sustainable development goals

Education is a major concern, but is hard to attain for a number of reasons for the High Atlas Amazigh people



Amazigh women in a village with an association that cultivates an olive tree nursery.



PETER J JACQUES

Life and death for whole communities hang in the balance of achieving the 17 Sustainable Development Goals (SDGs) that include eliminating poverty, conserving forests, and addressing climate change, passed by the United Nations unanimously in 2015. Take for example, the Indigenous Amazigh people who live in the mountains around Marrakech. They are representative of people who need to be served first by sustainable development.

The High Atlas Amazigh people experience hard lives in small villages. Most work as day labourers and agriculturalists with barely enough income to support their families and heat their homes. Education is a major concern, but is hard to attain for a number of reasons. Sometimes families can not afford the subsequent costs of backpacks and books, even when the school is open and free. The challenge is especially difficult for girls, because, as one person explained, "How can fathers let

their girls study if it is dark when they must travel?" The effect of incomplete education is profound, and when we asked one 62-year-old man what he thought the greatest threats to the future were for his community, he did not have confidence in his own experiences, noting, "What can I say? I am not read [educated]."

Through a partnership of the University of Central Florida (Orlando), The Hollings Centre for International Dialogue (Washington DC and Istanbul), and the High Atlas Foundation (Marrakech), we recently conducted field work in the High Atlas Mountains, speaking with the people there who poured their hearts out to us.

The most consistent message we heard from the people of the High Atlas was that the future hinges on water. One group told us that when things are good, it is because the rain is abundant and on time; things are very hard otherwise. They are worried that climate change will affect if the rains come, or that the rain will not "come in its time." They have good reason to worry because climate change is expected to decrease precipitation significantly, reducing streams, lakes, and groundwater.

Drought is a constant worry.

The High Atlas people are in an extremely vulnerable position. One group noted that they are so desperate for basic resources that they burn plastic trash to heat their water.

The World Bank estimates that 37 per cent of the population works in agriculture, meanwhile production of cereal crops varies wildly due to annual variation of precipitation-- and 2018 was thankfully a bountiful year. Climate change will make the people of the High Atlas Mountains much more vulnerable while they are already living on the edge of survival. In one area, this change in precipitation timing and amount was already noticeable, resulting in a significant loss of fruit trees. In that same area, we were told that there is fear that there will be no water in twenty years, and that for these people who are deeply connected to the land, there will be "no alternatives."

The High Atlas people are in an extremely vulnerable position. One group noted that they are so desperate for basic resources that they burn plastic trash to heat their water. Worse, they believe they have been left behind by society and that "the people of the mountains do not matter." They feel that Moroccan society is deeply unfair--there is no help for the sick, little support for education, little defence against the cold, and that, for some, corruption is the greatest threat to a sustainable future.

Consequently, civil society has an important role in achieving the SDGs. The High Atlas Foundation has been working to help people in this region to organise themselves into collectives that decide both what the collective wants, and pathways to achieve those goals. Women have organised into co-ops that they own and they collect dividends from their products together. People in one coop lobbied the 2015 Conference of Parties climate meeting in Marrakech. Men's associations have developed tree nurseries that not only produce income, but which protect whole watersheds - and therefore some water for the future. They are also participating in carbon sequestration markets. In this regard, the Marrakech Re-

gional Department of Water and Forest provides them carob trees and the authorisation to plant these trees on the mountains surrounding their villages.

However, perhaps the most important element of these collectives is that they give each person in them a voice. Leaders of these collectives have formal rights to approach the regional governments about their needs, and this voice would not be heard at all without the formal collective organisation. These organisations cannot replace government services, but they do add capacity to the community.

Not only do these collectives lend people some influence over their current and their children's lives, they love each other and they are not struggling alone. We witnessed profound solidarity. Repeatedly, the collectives told us "We love each other, we are one family," "We are like one," "We help each other," and the conviction that "I will be with you."The world is decidedly on an unsustainable path, so if we are going to meet SDGs, all the people like the people of the High Atlas Mountains must matter and their voice deserves to be heard.

(Peter J Jacques is a Professor of Political Science at the University of Central Florida in Orlando, us.)



TOP
4
TWEETS

01



Greetings to fellow citizens on Basant Panchami, Sri Panchami and Saraswati Puja. May this festive occasion, which heralds spring and celebrates learning, spur us to expand the frontiers of education and knowledge in our families, our society and our country #PresidentKovind @rashtrapatibhvn

02



Appreciate @SpeakerPelosi's strong statement of support. The U.S. stands united in its support of Venezuelan Interim President Juan Guaidó, and of the peaceful, constitutional transition to democracy in Venezuela. @AmbJohnBolton

03



WH Physician: Trump "in very good health... will remain so for the duration of his Presidency, and beyond." @Acosta

04



Those who have promised 'Sunrise' of Andhra Pradesh, got engaged in the 'Rise' of their 'Son' They promised schemes for poor of Andhra Pradesh but have put their stickers on Modi's scheme for the state: PM @NarendraModi @PiyushGoyal

Disclaimer: (Views expressed by columnists are personal and need not necessarily reflect our editorial stances)