

## Rocket men

2 rookies and a seasoned cosmonaut blast off for ISS

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## 12,000 km trip ends in Shanghai

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## Air forces

Aerial skiers hit successful heights in Genting SPORTS, PAGE 24



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# Sustainable economy on the horizon

Experts say further expansion needs to focus on quality, not quantity, of growth

By FU JING in Brussels

CHEN WEIHUA

in Washington

and XIN ZHIMING in Beijing

China's pursuit of high-quality development, which is expected to be discussed at this year's Central Economic Work Conference, means the country will shift toward a more sustainable and intensive way of expansion that will contribute to global prosperity, analysts said.

In the report that he delivered to the 19th National Congress of the Communist Party of China in October, Xi Jinping, general secretary of CPC Central Committee, said the world's second-largest economy was evolving from the phase of a high rate of growth to the stage of high-quality development.

"Having reached upper-middle-income living standards, the 19th National Congress of the CPC rightly shifted the emphasis toward quality, and by quality, the leadership is emphasizing the need to make the growth process more socially and environmentally sustainable."

Huang said China's shift to a more sustainable and socially sensitive growth path has been underway for many years. "But now I sense a more concerted effort to address these issues."

Analysts also said China's shift to focus on dealing with the three major tasks next year will help improve its ability to innovate.

China's approach to address major risks, poverty and pollution, "could set a global standard for using the major challenges of our time as drivers for innovation," said Dennis Pamlin, senior adviser at the Research Institutes of Sweden. "With this new initiative, China could actually shift the global innovation focus."

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## Birthday treat



French President Emmanuel Macron plays with the panda cub Yuan Meng at ZooParc de Beauval in Saint-Aignan, central France, on Saturday, which was Macron's 40th birthday. PHOTO BY XINHUA



The second prototype of the C919 aircraft, China's first domestically developed narrow-body passenger jet, takes off from Shanghai on Sunday. The original prototype's first long-haul test flight was in November. YIN LIQIN / CHINA NEWS SERVICE

## 2nd C919 tests its mettle in maiden flight

By ZHU WENQIAN

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performance of the landing gear and the navigation and communication systems.

COMAC said it would send six test aircraft on test flights, and complete more than 1,000 compliance tests. Another two aircraft will carry out ground tests, including static and fatigue tests.

So far, 785 orders from 27 customers throughout China and abroad have been placed for the C919.

The successful flight of the second test aircraft is regarded as another milestone as it enters the airworthiness certification phase in China," said Lin Zhijie, an aviation industry analyst and columnist at Carnoc.com, one of China's largest civil aviation web portals.

"Meanwhile, China and the

United States have validated the regulatory standards of both countries. China and Europe also are in the process of certifying the C919 under the China-European Union air safety agreement," he said.

"We could say that the hindrances have been cleared up from the policy level, and the performance and reliability of the C919 aircraft itself will determine if it could get the airworthiness certificates from the US and Europe."

In November, the first prototype C919 test aircraft completed its first long-haul flight from Shanghai to Xian, Shaanxi province.

In the next few years, the manufacturer said it would cooperate with the Aviation Industry Corp of China, and start intensive series of test

flights at the testing bases in Yanliang, Shaanxi province, and at Dongying, Shandong province.

Wu Yue, an assistant to the general manager of COMAC, said Yanliang serves as one of the most important flight-testing bases in China. Earlier, the ARJ21, the nation's domestic regional commercial aircraft, took about six years to complete test flights in Yanliang. The C919 is expected to take three years.

Lin said the C919's entry into the market is expected to be between 2020 and 2022.

"Apart from meeting flight safety standards, the fuel efficiency, maintenance costs and the comfort level of the aircraft should all be taken into consideration before it is put into use in the market."

## NEXT GENERATION OF FITNESS APPS GETTING A WORKOUT

Whether helping users to get fit at home or to compete in an online marathon, developers don't want to skip a step in finding profits

By REN XIAOJIN

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A woman exercises at a fitness center accessed by an app in Chengdu, Sichuan province, in February. TAO KE / FOR CHINA DAILY

Mobile fitness sharing apps are freeing users from committing to full-year gym memberships and their large upfront payments. The biggest concerns among these startup sharing services is how to make profits and maintain the traffic and equipment.

Further, the interest in fitness has led to development of training apps, which now number more than 1,000. These workout apps can be found in various app stores and attract users with free, detailed tutorials on almost any type of workout, from cardio to muscle development. Some even have video tutorials featuring social media celebrities to demonstrate the moves.

According to consultancy SooToo Research in Beijing, a growing number of people are working out using mobile apps as a guide. In its mobile fitness app report for 2016, it said although 37.2 percent of people chose gyms to exercise 28.9 percent stay at home for various reasons, such as

avoiding city traffic and smoggy days.

This makes fitness instruction apps handy tools for those who stay at home.

The apps enable users to exercise with guidance whenever and wherever they want, even in the office during a lunch break.

Keep, the top free fitness app with over 110 million registered users through August, is designed for busy office workers with exercises that

last around two to five minutes.

"Two minute workouts before getting off my work," one user commented on the tutorial page. "Life is busy but you always have a little bit of time to exercise."

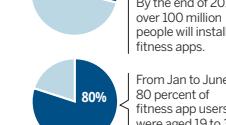
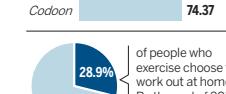
### Developer dilemma

Many users choose to use online apps because they are free. Then, as they grow familiar with the exercises, they become less dependent

### Top 3 fitness app downloads

Unit: millions of downloads

Keep	92.32
YodoRun	89.72
Codoon	74.37



Source: SooToo Research, TakingData AppAnalytics CHINA DAILY

on the apps. This is the trouble some startup app developers face.

They are trying to make profits — beyond advertising — by maintaining user loyalty amid heavy competition, SooToo Research found out.

"Most apps focus on foot-step counting and running. They are rather similar," SooToo's report noted. "By 2017, fitness sports will see over 100

See *Fitness* page 5

Villagers move up from old 'machete'

### POVERTY ACTION IN A NEW ERA

By GAO ANMING, ERIK NILSSON and YANG WANLI in Tongren, Guizhou

Yikoudao's villagers sing a traditional song about leaving for the nearest settlement at sunrise and arriving at sunset.

The song survives. But its lyrics no longer apply.

Yikoudao's name translates as "machete" because of the shape of the sheer karst cliff beneath the settlement in Yanhe Tujia autonomous county, Guizhou province.

The village's limestone "blade" cuts up to 1,170 meters at its apex.

Until recently, transportation in Guizhou was less a challenge of traversing longitude and latitude than a problem of abrupt altitudes. Mountains make height more of an obstacle than distance.

Stone soars to slice the province into pieces, long making human development an uphill battle in every sense.

But a photo collage on the wall of Yang Cuinhong's apartment in Tongren — where she has relocated — serves as a portrait of how her life has been transformed since she left Yikoudao in June.

One picture shows the 37-year-old's family in front of the rustic home they left.

Another shows her family and other farmers hiking over earthen roads with sacks of belongings slung over their shoulders as they trekked to their new, modern dwellings in Tongren.

Another shows her family smiling on the couch above which the collage now hangs.

### Free apartments

Yang is one of 913 people who have relocated to Tongren from one of the poorest villages in one of China's poorest provinces.

The government has provided villagers from Yanhe and Songtao counties with free apartments — 20 square meters per occupant — including furniture and appliances.

It also offers vocational training to enable farmers to work in skilled trades.

Yang earned 1,500 yuan (\$230) a month as a cleaner after arriving in the city in the summer. The government later helped her find a new job doing quality control for a local tobacco company that pays 2,000 yuan a month as a base salary, plus performance-based bonuses.

See *Relocation* page 6-7

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