MAPPING CARTOGRAPHY

Cartography : from the Greek term meaning map and writing. The production of maps, including construction of projections, design, compilation, drafting, and reproduction.

Since Antiquity, humans have tried to represent their territory and memorise their paths.
Advances in the fields of astronomy and mathematics have had a big influence on cartography. Over time, the development of new tools has allowed for better and more precise representations.
Changes in cartography largely rely on technological revolutions. That's how we have managed to map places inaccessible to humans, from the infinitely big like the Milky Way explored by the Gaia satellite, to the infinitely small with the cartography of neurons.

MAPPING THE MILKY WAY WITH GAIA

Scientists managed to map the position in 3D of more than 1.2 billion stars thanks to the satellite Gaia launched in 2013 from Kourou, Guyana. The billion stars observed only make up 1% of the stars in our galaxy.
Gaia is a revolution for astrometry, the science of measuring the position and movement of stars. Gaia is 400000 times more able than the human eye and allows scientists to better understand the structure of the Milky Way and dark matter.
16 September 2016

KHARTIS· MAPPING BY THEME

The workshop of cartography at Sciences Po Paris presents their first version of Khartis, an online application for cartography by theme. This application gives anyone the possibility to view and upload data with no hassle and generate à map or datavisualization.
18 October 2016

A MAP TO FOLLOW NAVIGATORS

Due to popular demand from the net, Necto Sport group have developed an application tracking the progress of the participants of the Vendée Globe. The cartography can be seen in 2D or 3D depending on the browser. It can also be downloaded on iOS and Android devices.
11 November 2016

UPDATING IRISH TOURIST MAPS

EastWest Mapping, specialized in recreational mapping, purchased new aerial photography from Bluesky Geospatial to update their maps of Ireland. Maps from EastWest Mapping range from topographical and locational information to walking and biking tracks. The new dataset from Bluesky Geospatial includes updated imagery as well as Digital Terrain Models (topography) and Digital Surface Models (topography and buildings).
01 December 2016

ZIP CODE BOUNDARIES FOR THE USA

The company AND announced the release of maps of the boundaries of the US by ZIP code. Surprisingly enough, this data on the US wasn't readily available until AND's effort. These boundaries can be easily used with other geographic information systems like Esri's ArcGIS.
19 January 2017

UBER MAPS ASIA'S ROADS

Having already implanted themselves on several continents, Uber started mapping the roads of Asia by deploying their first vehicles in Singapore. This allows for detailed maps of previously unmapped regions. Uber worked from existing maps with the aim being to improve them in line with their own services. This initiative will allow them to distance themselves from Google Maps.
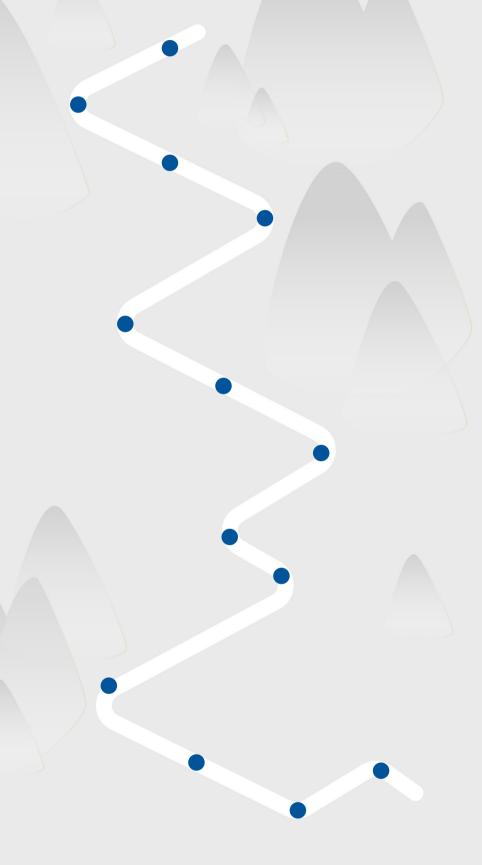**13 February 2017**

HERE GIVES AWAY BMW CARS FOR LIVE MAP DATA

The geographic service Here will be making BMWs available to collect data for their maps. The data, recorded anonymously, will be used to create the HD maps necessary for the future self-driving cars. Only the BMW cars with the driving assist system and built-in camera will participate in this gathering of data.
24 February 2017

GOOGLE ROLLS OUT SPEED LIMIT SIGNS

Some users noticed something new when navigating with Google Maps. A small speed sign appears on the bottom left of the application when in Navigation mode. This feature was already available with Google's Waze navigation app but made its way into Maps. Users will appreciate an increase in safety and decrease in speeding tickets.
16 September 2016

THE MOST POPULAR CANDY IN EVERY COUNTRY

FamilyBreakFinder have researched the most popular chocolate bars, candy and gum across the world and mapped them. Despite the huge diversity of brands on this map, the majority of these confectioneries are owned by one of the market's corporate giants such as Nestlé, Mondalez, Mars or Ferrero.
18 October 2016

ESRI MAPS THE CATHOLIC CHURCH

Esri, a global supplier of geographic information system software, has partnered with GoodLands of the Catholic Geographic system. The result is a global map which tracks the Catholic church's land and Catholic organisations worldwide. The aim of this map is to get regular feedback on these areas to better support conservation, healthcare, education and other efforts.
11 November 2016

MAPUBLISHER FOR ADOBE ILLUSTRATOR

Avenza released the latest version of their MAPublisher for Adobe Illustrator. This add-on allows users to import geospatial features from ArcGIS (a geographic information system by Esri) and quickly edit maps in the Adobe environment. Avenza have been obliged to roll out updates frequently to adapt to the frequent updates of Adobe CC. A similar add-on exists for Adobe Photoshop.
16 December 2016

MAPPING NEURONS

The development of the cerebral cortex is vital for the evolution of species. Neuroscientists in Geneva analyzed the neurons of the cortex, namely the inhibitor interneurons during the infant development phase. Sequencing these cells has allowed scientists to identify 3 main groups of neurons, notably after birth, as well as a variation in their position in relation to their genes.
30 January 2017

THE DANGER OF FRANCE'S NEW RIVER MAPS

Is it a stream or a ditch? The use of pesticides near streams or rivers is forbidden whereas it is allowed for the latter. Nearly 1 out of 5 streams in France may no longer be classified as such. This would make them unprotectable by the law on water. The Grenelle de l'environnement had defined a 5m protection zone around such water sources. These zones made it possible to maintain a green filter in order to limit the transfer of dangerous products to the surface.
02 March 2017

· **Android Authority,** Google Maps starts displaying speed limit signs while navigating, 14 September 2016 · **Bibliothèque Nationale de France,** Histoire de la cartographie · **ESRI France** · **Family Break Finder,** MAP: The Most Popular Candy In Every Country, 18 October 2016 · **Géoconnexion,** Bluesky Geospatial Aerial Photos Update Irish Tourist Maps, 01 December 2016 - Avenza Releases MAPublisher 9.9 For Adobe Illustrator, 16 December 2016 - Map maker AND releases ZIP+4 Code Boundaries for the USA, 19 January 2017 · **Le Figaro, article du 12/02/17,** Uber se lance dans la cartographie des routes asiatiques, 13 February 2017 · **Le Point, article du 14/09/16,** La Voie lactée cartographiée en 3D grâce au satellite Gaia, 14 September 2016 · **Les Numériques,** Des BMW pour enrichir la cartographie Here, 24 February 2016 · **Reporterre,** La nouvelle cartographie des cours d'eau menace l'intérêt général, 02 march 2017 · **Tribune de Genève, article du 30/01/17,** Une cartographie des neurones à la naissance, 30 January 2017 · **Vendée Globe,** Une nouvelle carto pour suivre la course sur tous les supports, 11 November 2016 · **Sciences PO Paris,** Khartis, appliaction de cartographie thématique, 18 ocotber 2016