

THE IMPORTANCE OF SPACE ACTIVITIES FOR THE SOCIO-ECONOMIC DEVELOPMENT OF MEXICO

HLF “SPACE AS A DRIVER FOR SOCIO-ECONOMIC SUSTAINABLE DEVELOPMENT”

DUBAI ... NOVEMBER 23, 2016

Mexico in numbers

LAND & POPULATION

14TH COUNTRY BY TOTAL AREA (1.9 MILLION KM²)

120 MILLION INHABITANTS



ECONOMY & SOCIAL INDICATORS

15TH ECONOMY (GDP 2015)

The World Bank

2ND HAPPY PLANET INDEX

HPI, 2016

4TH BEST PLACE FOR EXPATS

Expat Insider 2016

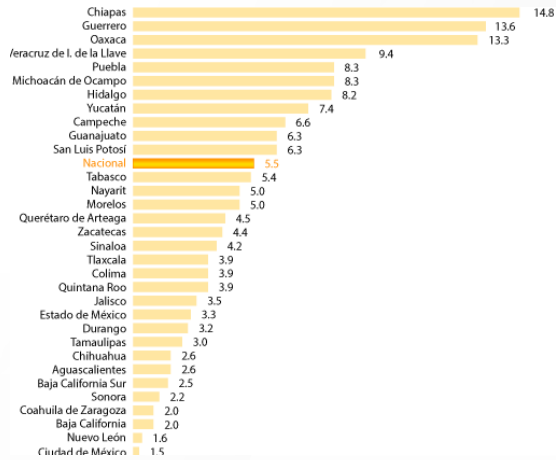
2ND COUNTRY WITH THE LARGEST
DIASPORA POPULATION (2015)

International Migration Report, 2015

74TH HUMAN DEVELOPMENT INDEX
UNDP

Mexico in numbers (II)

ILITERACY



INDIGENOUS POPULATION: 7.4 MILL

46.2% LIVES IN POVERTY
CONEVAL

71ST INEQUALITY INDEX (GINI)
UNDP

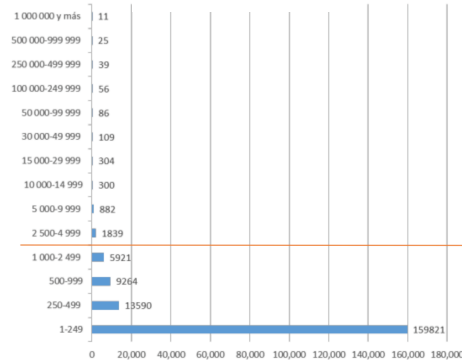
GEOGRAPHICALLY DISPERSED POPULATION

INEGI

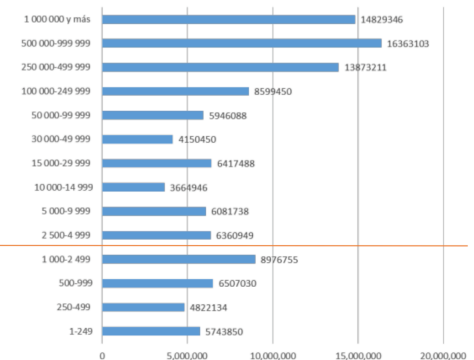


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Localities



Population



INEGI

The Mexican Space Agency

MISSION

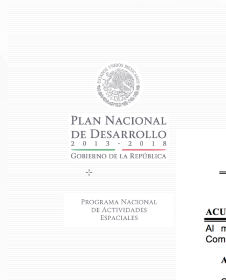
AEM will be an enabler to allow that Mexico could be a recognized nation in the development and use of space science and technology to improve the quality of life of all Mexicans

VISION

Transform Mexico into a country with scientific activities and world class space technology developments, focused on social needs and articulated to leading edge industrialization programs, contributing to the country's competitiveness



SPACE PLAN



(Segunda Sección) DIARIO OFICIAL Martes 14 de abril de 2015

AGENCIA ESPACIAL MEXICANA

ACUERDO por el que se expide el Programa Nacional de Actividades Espaciales.

Al margen un sello con el Escudo Nacional, que dice: Estados Unidos Mexicanos.- Secretaría de Comunicaciones y Transportes.- Agencia Espacial Mexicana.

ACUERDO POR EL QUE SE EXPIDE EL PROGRAMA NACIONAL DE ACTIVIDADES ESPACIALES

Con fundamento en los artículos 22, 24 y 29 párrafo cuarto de la Ley de Planeación; 59 fracciones II y XII de la Ley Federal de Entidades Parastatales; 12 fracciones I, XII y XIII de la Ley que crea la Agencia Espacial Mexicana y 16 del Estatuto Orgánico de la Agencia Espacial Mexicana, y

CONSIDERANDO



MEXICO'S ROAD MAP OF THE SPACE INDUSTRY 2030



Current projects and the SDG



END POVERTY IN ALL ITS FORMS EVERYWHERE

1.2

BY 2030, REDUCE AT LEAST BY HALF THE PROPORTION OF MEN, WOMEN AND CHILDREN OF ALL AGES LIVING IN POVERTY IN ALL ITS DIMENSIONS ACCORDING TO NATIONAL DEFINITIONS

MEXICO HAS A MULTIDIMENSIONAL POVERTY MEASUREMENT:

INCOME
53.2%

EDUCATION GAP
18.7%

ACCES TO HEALT SERVICES
18.2%

ACCES TO SOCIAL SECURITY
58.5%

ACCES TO FOOD
23.4%

ACCES TO BASIC SERVICES IN THE HOUSEHOLD
21.2%

QUALITY AND SPACES OF THE HOUSEHOLD
12.3%



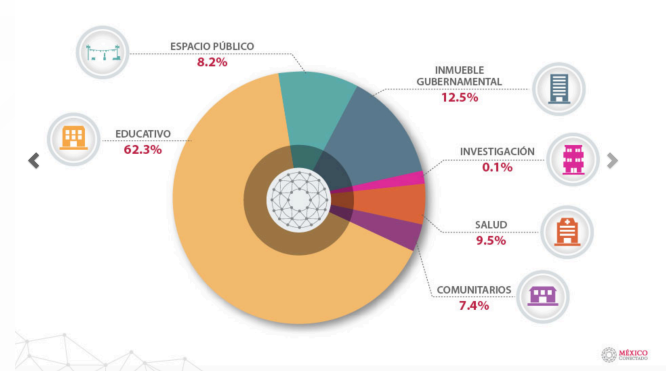
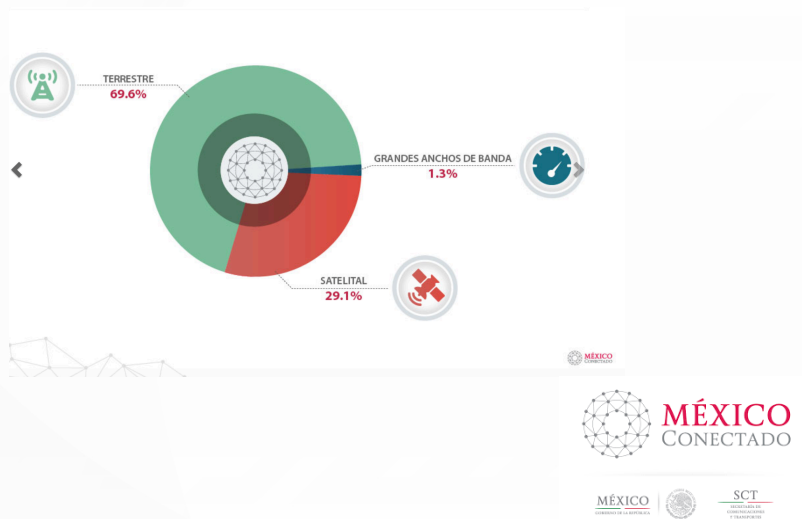
1.4

BY 2030, ENSURE THAT ALL MEN AND WOMEN, IN PARTICULAR THE POOR AND THE VULNERABLE, HAVE EQUAL RIGHTS TO ECONOMIC RESOURCES, AS WELL AS ACCESS TO BASIC SERVICES, OWNERSHIP AND CONTROL OVER LAND AND OTHER FORMS OF PROPERTY, INHERITANCE, NATURAL RESOURCES, APPROPRIATE NEW TECHNOLOGY AND FINANCIAL SERVICES, INCLUDING MICROFINANCE

Internet access at home: 39.2%
% of individuals using internet: 57.4%
 ITU



MÉXICO CONECTADO



<http://mexicoconectado.gob.mx>



END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

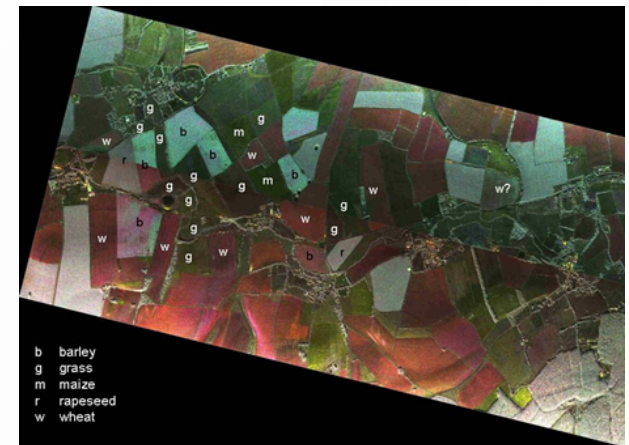
2.4

By 2030, ENSURE SUSTAINABLE FOOD PRODUCTION SYSTEMS AND IMPLEMENT RESILIENT AGRICULTURAL PRACTICES THAT INCREASE PRODUCTIVITY AND PRODUCTION, THAT HELP MAINTAIN ECOSYSTEMS, THAT STRENGTHEN CAPACITY FOR ADAPTATION TO CLIMATE CHANGE, EXTREME WEATHER, DROUGHT, FLOODING AND OTHER DISASTERS AND THAT PROGRESSIVELY IMPROVE LAND AND SOIL QUALITY

AEM

AGENCIA
ESPACIAL
MEXICANA

**Fostering the Adoption of Precision
Agricultural Methods in Mexico for
improved management of resources
and Food Security**



3 GOOD HEALTH AND WELL-BEING

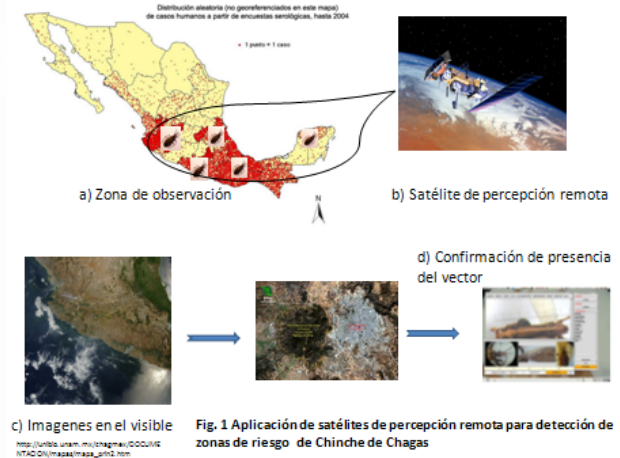


ENSURE HEALTHY LIVES AND PROMOTE WELL-BEING FOR ALL AT ALL AGES

3.D

STRENGTHEN THE CAPACITY OF ALL COUNTRIES, IN PARTICULAR DEVELOPING COUNTRIES, FOR EARLY WARNING, RISK REDUCTION AND MANAGEMENT OF NATIONAL AND GLOBAL HEALTH RISKS

Tele epidemiology Chagas





ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL

4.1

BY 2030, ENSURE THAT ALL GIRLS AND BOYS COMPLETE FREE, EQUITABLE AND QUALITY PRIMARY AND SECONDARY EDUCATION LEADING TO RELEVANT AND EFFECTIVE LEARNING OUTCOMES

RED EDUSAT



38,498 reception centers for tele-education



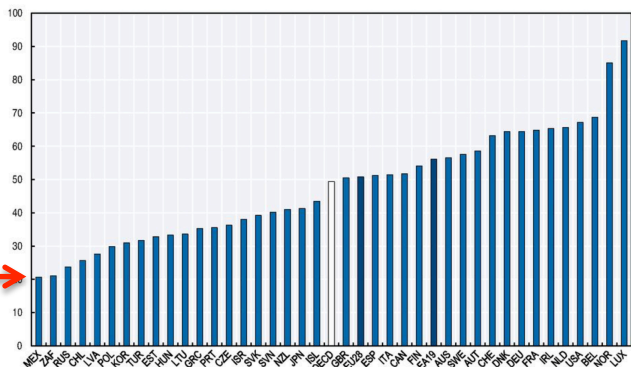
PROMOTE SUSTAINED, INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH, FULL AND PRODUCTIVE EMPLOYMENT AND DECENT WORK FOR ALL

8.2

ACHIEVE HIGHER LEVELS OF ECONOMIC PRODUCTIVITY THROUGH DIVERSIFICATION, TECHNOLOGICAL UPGRADING AND INNOVATION, INCLUDING THROUGH A FOCUS ON HIGH-VALUE ADDED AND LABOR-INTENSIVE SECTORS

Low productivity

Figure 2.7. Labour productivity, 2014
GDP per hour worked, total economy, US dollars, current prices and current PPPs



StatLink <http://dx.doi.org/10.1787/888933346399>

OECD

**PNB average annual growth rate:
2.6% vs 13 % aerospace industry**

FEMIA, 2014

**430 companies
>31,000 employees**

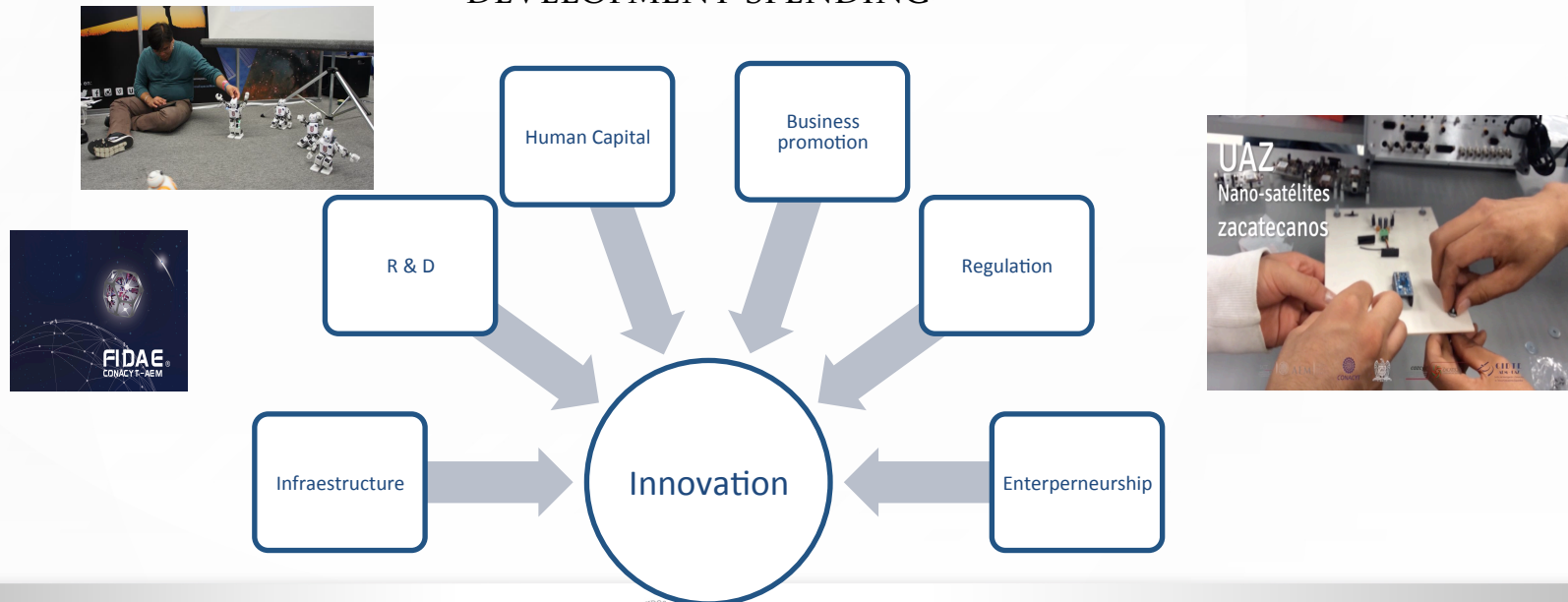
FEMIA, 2014



BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALIZATION AND FOSTER INNOVATION

9.5

ENHANCE SCIENTIFIC RESEARCH, UPGRADE THE TECHNOLOGICAL CAPABILITIES OF INDUSTRIAL SECTORS IN ALL COUNTRIES, IN PARTICULAR DEVELOPING COUNTRIES, INCLUDING, BY 2030, ENCOURAGING INNOVATION AND SUBSTANTIALLY INCREASING THE NUMBER OF RESEARCH AND DEVELOPMENT WORKERS PER 1 MILLION PEOPLE AND PUBLIC AND PRIVATE RESEARCH AND DEVELOPMENT SPENDING





TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS

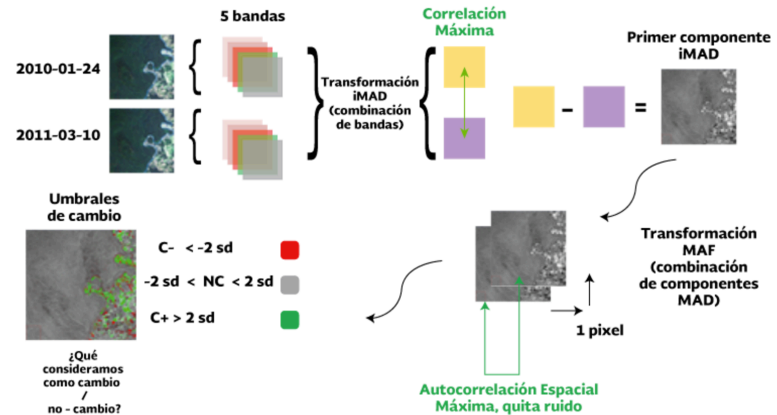
13.2

INTEGRATE CLIMATE CHANGE MEASURES INTO NATIONAL POLICIES, STRATEGIES AND PLANNING

MAD-Mex

**CENTRO de
EXCELENCIA VIRTUAL en
MONITOREO FORESTAL**

Algoritmo iMAD-MAF



<http://www.monitoreoforestal.gob.mx/mad-mex/#MAD-Mex>



PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS

15.1

BY 2020, ENSURE THE CONSERVATION, RESTORATION AND SUSTAINABLE USE OF TERRESTRIAL AND INLAND FRESHWATER ECOSYSTEMS AND THEIR SERVICES, IN PARTICULAR FORESTS, WETLANDS, MOUNTAINS AND DRY LANDS, IN LINE WITH OBLIGATIONS UNDER INTERNATIONAL AGREEMENTS

Earth Observation for the Preservation of Ecological Bacalar Corridor IPSP



To have more fair societies and achieve the SDG's using space:



Engage actors from other communities & disciplines



Intensify international cooperation (South-South)



An adequate legal framework and financial support