

# Threats & Opportunities in Knowledge Based Bio-Economy

December 1993 CBD come into force

MOSAICC (1999)

Standard contract (Material Transfer Agreement)  
Basic procedures

April 2000

Facilitating  
Access & legitimate use

MOSAICS (2005)

Universal Identification System (GUID)  
Diversity, of microbial items  
bundle of Rights, microbial commons

September 2014 Nagoya Protocol come into force

TRUST

Global Catalogue of Microorganisms  
Linkage with Clearing House ABS  
Updated MTA and Material Acquisition Agreement-MAA  
Improved procedures (emergencies, regularization)

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Non-monetary & Monetary  
Benefit Sharing

noble rot

winegrower's lung



WFCC

World Federation for Culture Collections