



New Apimondia Working Group on the Standardization of data on bees and beekeeping

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President

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Data about bees and beekeepers

- EU Bee Partnership is not the only group interested collecting and sharing data on bee health.
- Bee health data are more valuable with context.
- Governmental institutions, academic research projects as well as breeding programs of beekeeping associations inevitable gather data about bees and beekeepers.
- Without standards such databases become data islands.

Domains of bee related data

- colonies / beekeepers / operations / hive tracking and hive monitoring systems
- biodiversity of bees and breeding
- bee diseases / pathogens / strains / treatments
- environmental data / contaminants and residues in bee products
- modelling data as well as calibration data (MUST-B)
- data on authenticity of bee products (NMR method etc.)
- market data for bee products (prices, trade flows)

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Apimondia

International Federation of Beekeepers' Associations

- Apimondia Working Group was formed during annual conference in Istanbul.
- Ist is an independent but complementary to EU Bee Partnership.
- EFSA is explicitly invited to participate to represent the EU Bee Partnership in this effort.

Apimondia Working Group number	AWG 15
Name	Standardization of data on bees and beekeeping
Subject	<p>Governmental institutions, academic research projects as well as breeding programs of beekeeping associations inevitable gather data about bees and beekeepers. Data domains include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> colonies / beekeepers / operations / hive tracking and hive monitoring systems <input type="checkbox"/> biodiversity of bees and breeding <input type="checkbox"/> bee diseases / pathogens / strains / treatments <input type="checkbox"/> environmental data / contaminants and residues in bee products <input type="checkbox"/> modelling data as well as calibration data (MUST-B) <input type="checkbox"/> data on authenticity of bee products (NMR method etc.) <input type="checkbox"/> market data for bee products (prices, trade flows) <p>Unfortunately, these databases become data islands and the information is of limited value for the beekeeping community as a whole. The task of this working group is to facilitate the standardization necessary to exchange the data.</p>
Date of creation	03.10.2018
Place of creation	Seeshaupt, Germany
Scientific Commission(s) involved	Bee Health – Technology – Economy - Flora & Pollination
Continental Commission(s) involved	Five Commissions
Coordinator	Walter Haefeker - walter@haefeker.de - +49 (151) 58 565 444 - Germany
Collaborators	<p>Dr. Fani Hatjina, Researcher, Apiculture Division, Institute of Animal Science Hellenic Agriculture Org. "DEMETER", fhatjina@instmelissocomias.gr</p> <p>Jospeh Cazier, Ph.D Director of the Center for Analytics Research and Education Appalachian State University Chief Analytics Officer, HiveTracks cazierja@apstate.edu</p> <p>James Wilkes, Professor and Chair of the Department of Computer Science at Appalachian State University in Boone, NC, USA, CEO HiveTracks, james@hivetracks.com</p> <p>Norberto Garcia, Argentina n.garcia@nexco-sa.com.ar</p> <p>Huw Evans, Arnia, huw@arnia.co.uk</p> <p>Riccardo Jannoni, Food and Agriculture Organization of the United Nations (FAO), Riccardo.Jannoni@fao.org</p> <p>List never closed (under the responsibility of the coordinator)</p>
Document(s) to provide	<ul style="list-style-type: none"> <input type="checkbox"/> Document a new standard under the working title beeXML <input type="checkbox"/> Document implementation experiences <input type="checkbox"/> Providing a beeXML Implementation Guide
Action(s) to do	Global survey of of existing data formats for the data domains stated above
Digital Kit to provide	Section of Apimondia web site on standardization
Dead line	
Target(s)	<p>Developers and users of hive tracking and monitoring</p> <p>Government regulators</p> <p>Scientists collecting, processing and exchanging data in the domains stated above</p>

Other initial collaborators

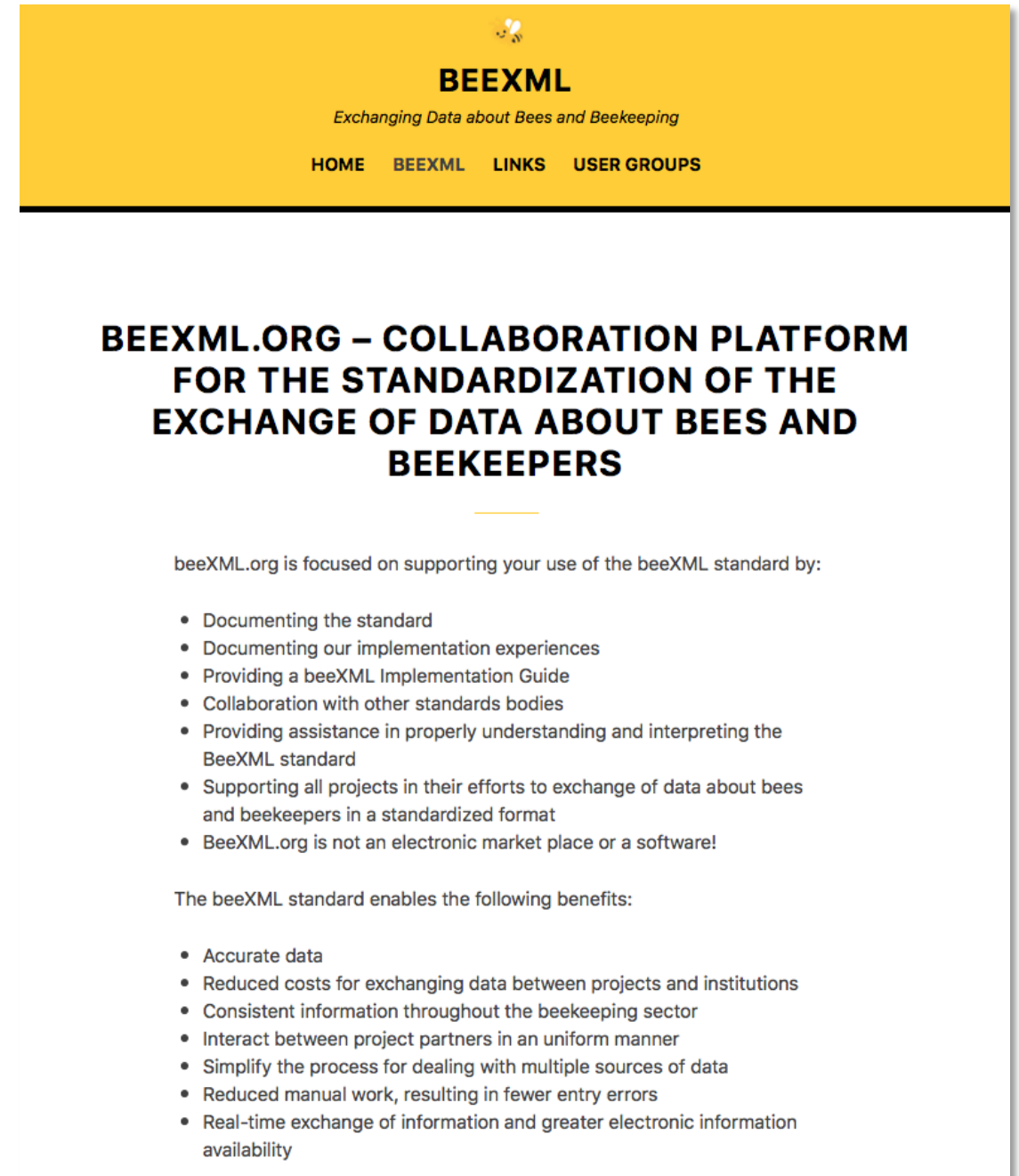
- Dr. Fani Hatjina, Scientist, COLOSS honey bee research association
- Joseph Cazier, Ph.D Director of the Center for Analytics Research and Education Appalachian State University
Chief Analytics Officer, HiveTracks
- James Wilkes, Professor and Chair of the Department of Computer Science at Appalachian State University in Boone, NC, USA,
CEO HiveTracks
- Norberto Garcia, Argentina, President of the International Organization of Honey Exporters
- Huw Evans, Arnia, electronic hive monitoring equipment
- Riccardo Jannoni, Food and Agriculture Organization of the United Nations (FAO), Domestic Animal Diversity Information System DAD-IS

BeeXML is part of the new Working group

To promote standardized ways for exchange of data in all systems tracking bees and beekeepers.

- commercial
- veterinary
- administrative
- research

Make all systems open source to allow community to understand and get comfortable with what is being processed.



The image shows a screenshot of the BEEXML website. The header is yellow with the BEEXML logo (a bee) and the text "BEEXML" and "Exchanging Data about Bees and Beekeeping". Below the header is a navigation menu with links for "HOME", "BEEXML", "LINKS", and "USER GROUPS". The main content area is white and features the title "BEEXML.ORG – COLLABORATION PLATFORM FOR THE STANDARDIZATION OF THE EXCHANGE OF DATA ABOUT BEES AND BEEKEEPERS". Below the title is a horizontal line. The text "beeXML.org is focused on supporting your use of the beeXML standard by:" is followed by a bulleted list of seven items. Below this list is the text "The beeXML standard enables the following benefits:" followed by another bulleted list of seven items.

BEEXML
Exchanging Data about Bees and Beekeeping

HOME BEEXML LINKS USER GROUPS

BEEXML.ORG – COLLABORATION PLATFORM FOR THE STANDARDIZATION OF THE EXCHANGE OF DATA ABOUT BEES AND BEEKEEPERS

beeXML.org is focused on supporting your use of the beeXML standard by:

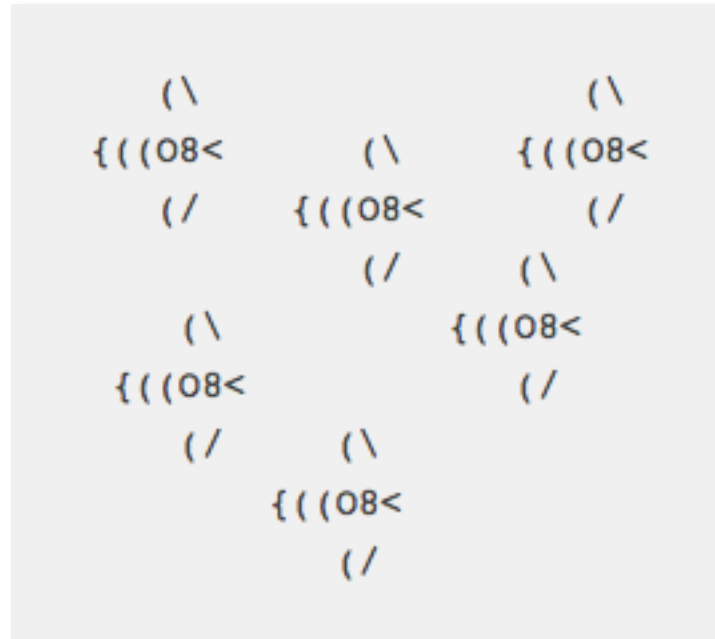
- Documenting the standard
- Documenting our implementation experiences
- Providing a beeXML Implementation Guide
- Collaboration with other standards bodies
- Providing assistance in properly understanding and interpreting the BeeXML standard
- Supporting all projects in their efforts to exchange of data about bees and beekeepers in a standardized format
- BeeXML.org is not an electronic market place or a software!

The beeXML standard enables the following benefits:

- Accurate data
- Reduced costs for exchanging data between projects and institutions
- Consistent information throughout the beekeeping sector
- Interact between project partners in an uniform manner
- Simplify the process for dealing with multiple sources of data
- Reduced manual work, resulting in fewer entry errors
- Real-time exchange of information and greater electronic information availability



Thank you for your kind attention!



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