

# A digital assistant for efficient beekeeping

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# About LATVIA

**Size of area:** 64,573 km<sup>2</sup>

**Population:** 1.95 million

**Capital city:** Riga

**Coastline:** 531 km

**Membership:**

- OECD since 2016
- NATO since 2004
- EU since 2004
- WTO since 1998

**Currency:** Euro (EUR)



# Beekeeping in LATVIA

Number of beekeepers: ~ 5k



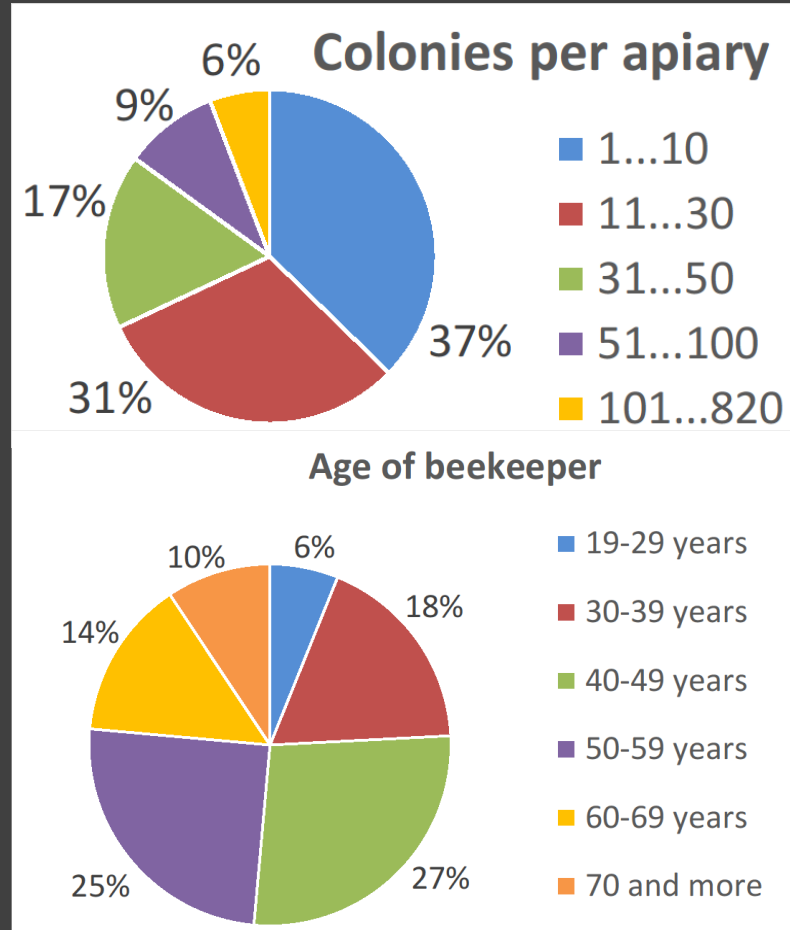
Association members: 3,3k

Number of hives: ~ 98k

Collected honey: ~ 2500 t/y

Association units: 27

Season: April - September



# Project

An idea,  
search for  
solution

2016

Beekeeper  
survey,  
resource  
allocation

2017

Minimum  
product  
development  
and trial

2018

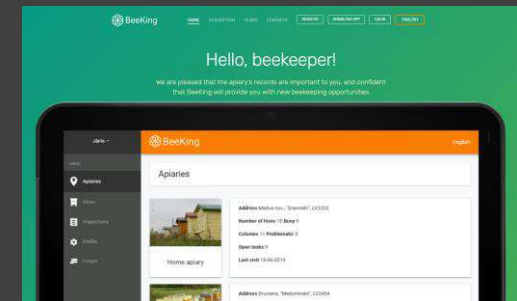
Ready for use  
in Latvian and  
English

2019



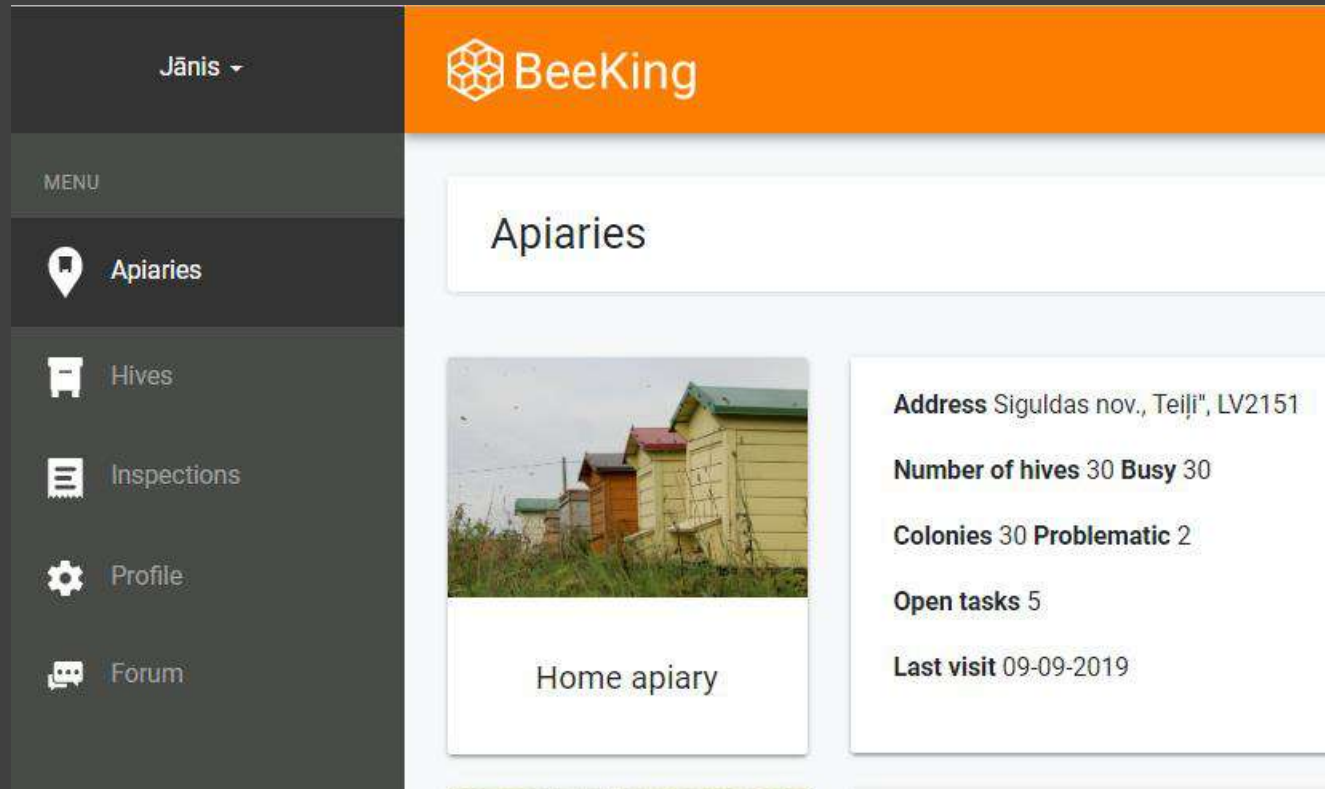
App should be:

- Easy to use
- Reliable
- Brings benefits



# Easy to use

- Voice based inspections
- Meaningful and simple colony ratings, reminders and marks
- Minimum clicks, don't get lost
- Copy or clone colonies use adjustable task and inspection lists
- Online support



# Reliable

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- No data connection required during inspection
- Data on the cloud
- Supports new OS versions
- Exit capability



# Brings benefits

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- Reduces inspection time
- Minimizes unnecessary visits
- COLOSS reports on «one click»
- Supports team work
- Drives knowledge sharing in collaboration with Beekeeper organizations



# Challenges

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- Further automation of inspections
- IoT and artificial intelligence for apiary monitoring and planning
- Demand for origin of honey
- Collaboration with Beekeeper organizations
- Data standardization – BeeXML





# Next steps

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- Inspection further automation and assistance (tasks, reminders, NFC)
- Partner selection to enable efficient remote monitoring capabilities
- Discovery of necessary support for honey sales
- Knowledge sharing of apiary records within beekeeper organizations



 BeeKing - Your assistant in beekeeping



beeking.eu

# Thank you!

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