

### Innovations and technologies: Improving responsible management of pets

#### **Kate Atema**

Chairperson, International Companion Animal Management Coalition (ICAM)

Elly Hiby, Ph.D.

Scientific Coordinator, ICAM

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#### **Overview**

- 1. ICAM background and guidance materials
- 2. Challenges in pet population management
  - Community conflicts
  - Selecting the best strategy
  - Monitoring and evaluation
- 3. Humane Community Development, an integrated approach to achieving best practice





## International Companion Animal Management (ICAM) Coalition













- Formed in 2006
- Discuss current research, share experiences, learn from successes and failures
- Guide best practice in humane dog and cat management programs
- Supports implementation of OIE guidelines











### Best practice recommendations

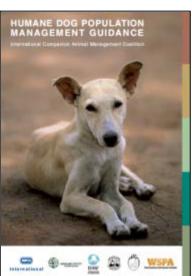
- Form a multi-stakeholder committee
- 2. Use data to understand the problem
- 3. Address the cause, not the symptoms
- 4. There is no one-size-fits all solution











### Challenge 1: Can we agree on the problem?

- Passionate disagreement
- Simple answers to complex issues
- Mistrust between NGOs and governments
- Lack of funding and dependence on external aid

Your shelter isn't the answer, my sterilization campaign is!

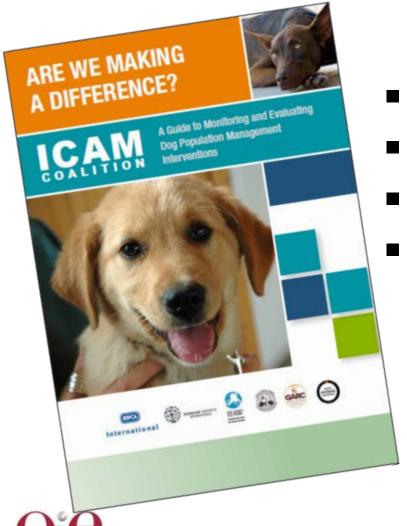
If you're working with that group, we can't trust you.

We want to be self-sufficient, but what are you going to give us?





## Challenge 2: Collecting and understanding useful data



- Impacts
- Indicators
- Method of measurement
- Tailored recommendations



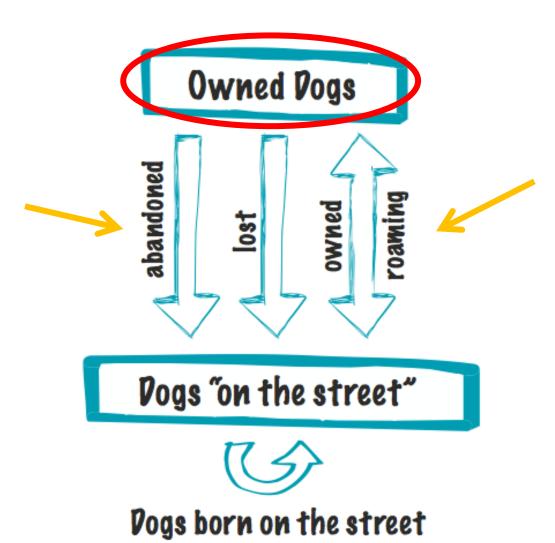
### Where are they coming from (and what should we do about it)?







### Where are they coming from?







### Challenge 3: What will really fix the problem? \*\*THE PROBLEM TO SERVE THE PROBLEM THE PROBLEM TO SERVE THE PROBLEM THE PROBLEM TO SERVE THE PROBLEM THE PROBLEM TO SERVE THE PRO

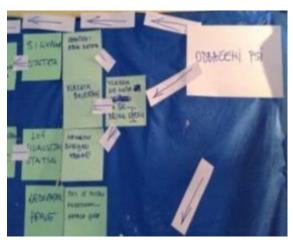
- Usually several intervention "tools":
  - Sterilization/Contraception
  - Sheltering and holding centres
  - Legislation
  - Education
- Depends on the <u>definition of the problem</u>
- Each community is unique
- There is no "perfect model" intervention





RAY DOG POPULATION CONTROL

## Humane Community Development















### Humane Community Development

Stakeholder engagement

Workshop 1:
Building a
Humane
Community

**Data Collection** 

Workshop 2:
Humane
Community
Action Planning

- Build consensus amongst stakeholders
- Focus common efforts using accessible data
- Create a sustainable, local management plan





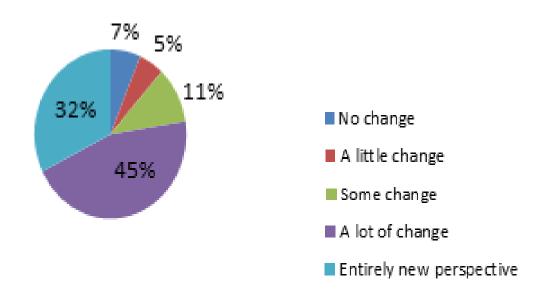
### Building A Humane Community Workshop

teachers
ICRC breeders
farmers rescuers
police veterans
disabled
elderly hunters
hoarders nurses
municipality





### How have your ideas changed about the problems with dogs? (n=83)







# Data capture: Community survey on knowledge, attitudes, behaviors and owned dog welfare

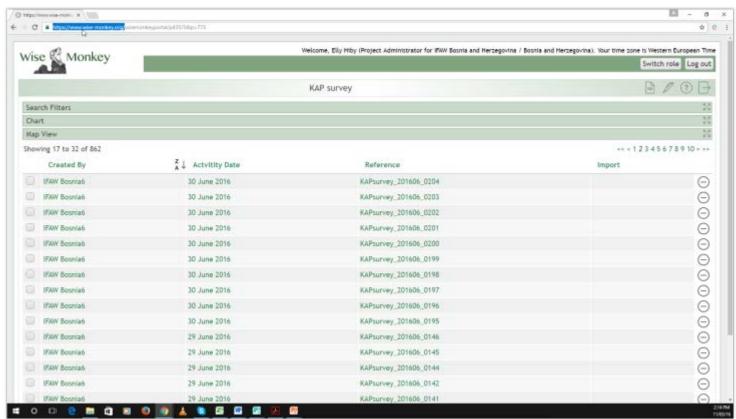
Device Magic: Offline data collection with cloud-based upload when wifi is available





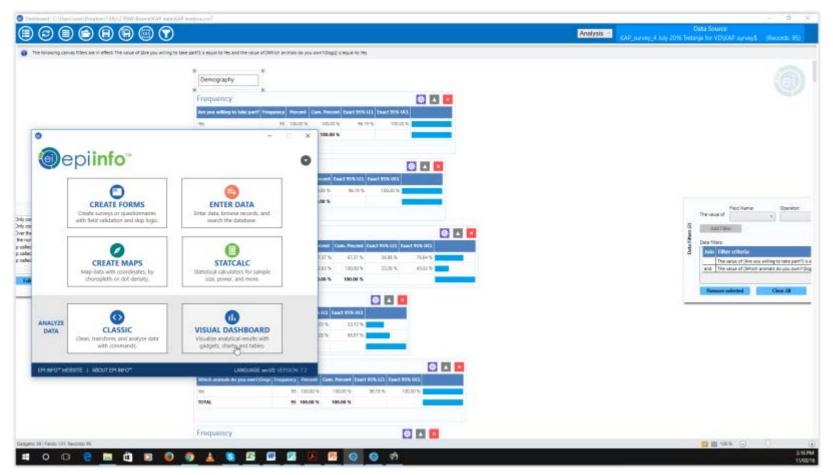


# Data storage: Wise Monkey cloud-based data collection system





### Data analysis: Epilnfo visual dashboard

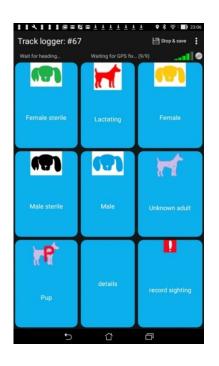






### Roaming dog hotspot monitoring

OSMtracker smart phone app with layout specifically designed for dog surveys





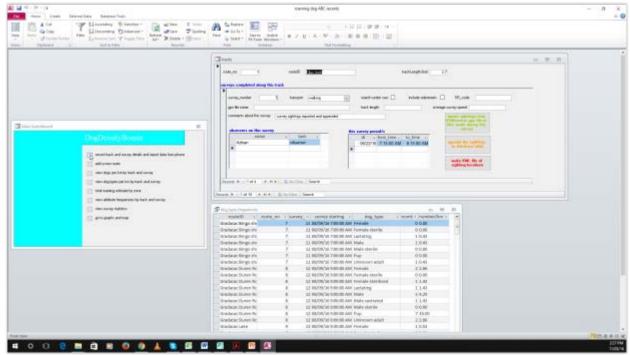






## Data storage and analysis: dog hotspot monitoring

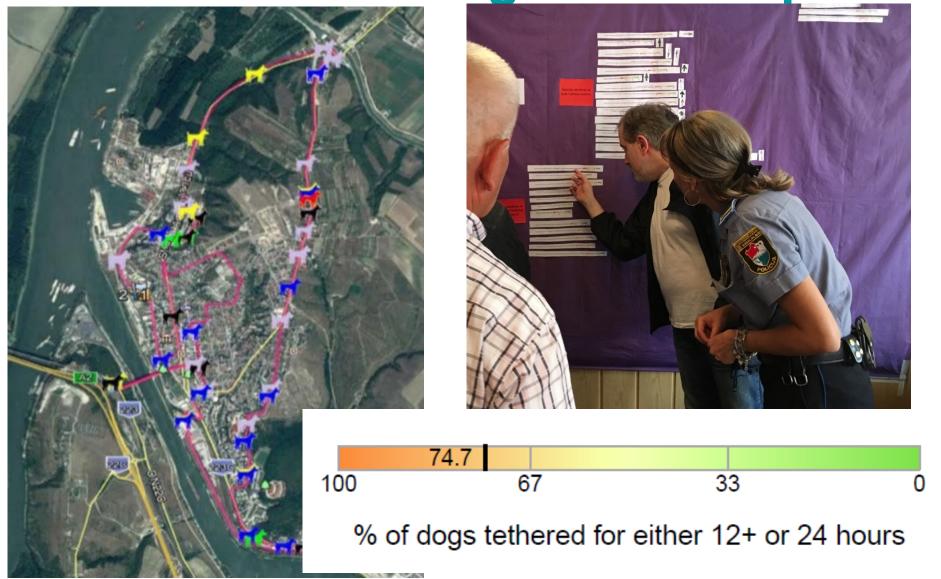
Access database which parses data output from OSMtracker and provides previously designed queries for analysis







Planning workshop: Data use in decision-making made simple



### Humane Community Development

Project Launch

**Local Plan in Action** 

Workshop 3:
Monitoring,
Evaluation and
Adaptation

- Community engaged with locally-tailored plan
- Local resources accessed
- Data collection technology for future decision-making





### Local humane community strategies





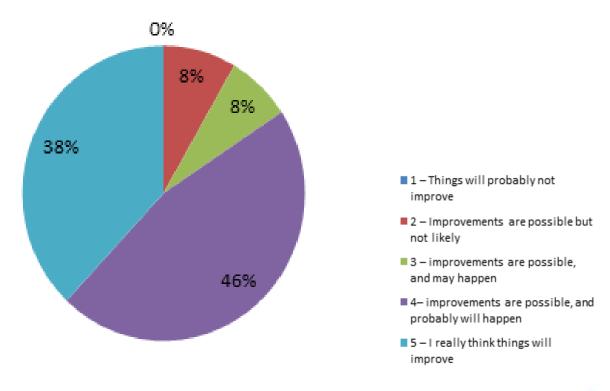


- Humane values
- Collaboration, not blame
- Local creativity and energy
- Utilizing what is already there





### Post-planning: Stakeholder confidence that dog situation will improve (n=108)







### Early outcomes in 7 communities

- 900+ dogs treated/sterilized by local vets in upgraded facilities
- > 1700 children engaged in education programs
- > 270 participants from diverse gender, age and economic status
- Ongoing data collection

#### None of this performed by external groups







## Humane Community Development with integrated data collection and analysis

- ✓ Can we agree on the problem?
- ✓ Can we decide what to do about it?
- ✓ Are we addressing the source of the problem as well as symptoms?
- ✓ Do we know if we are being effective?







### Thank you

Kate Atema

katema@ifaw.org

Elly Hiby Ph.D. ellyhiby@gmail.com

