



# Representing European carp producers

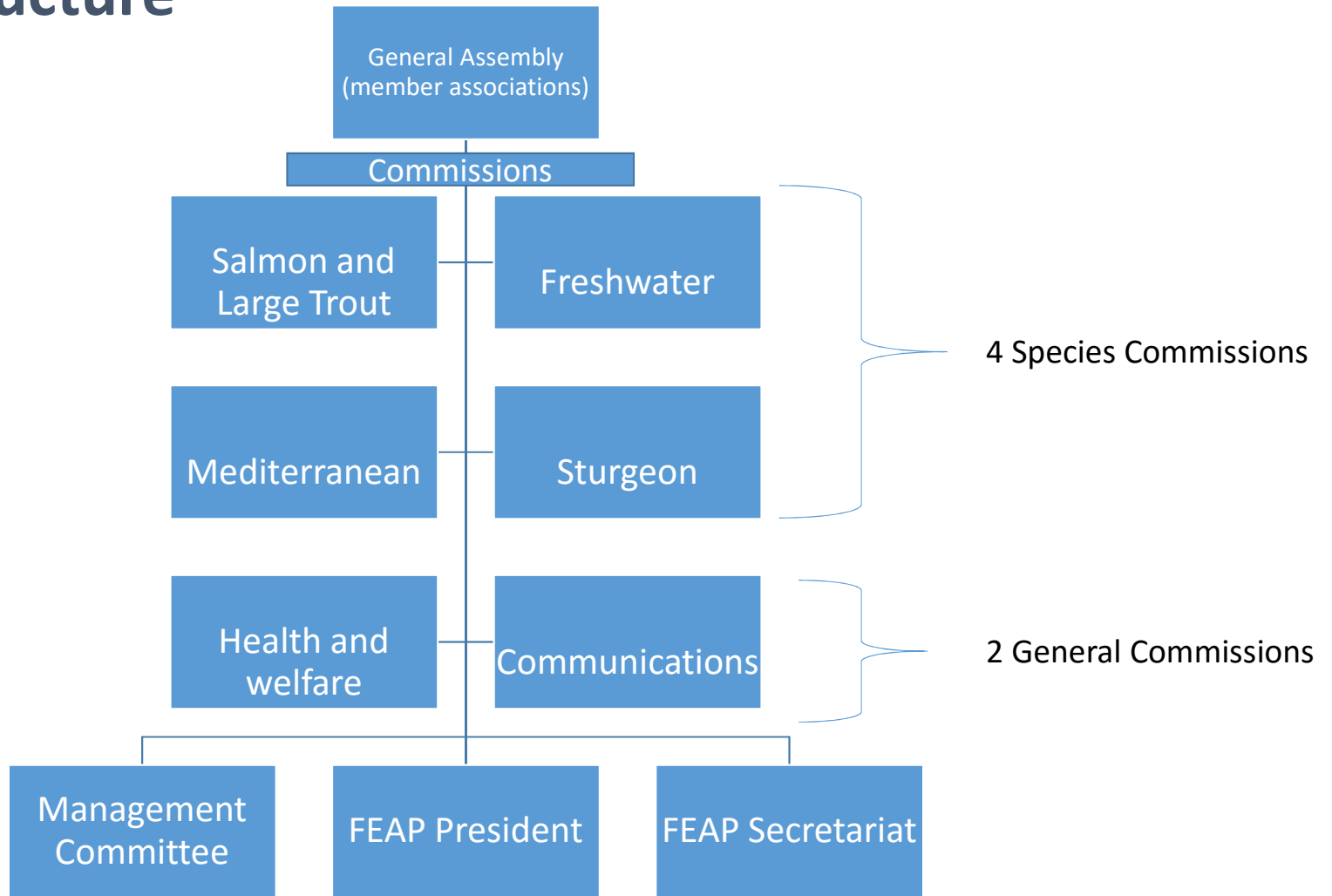
**International Carp Conference,**  
5th September 2019  
Kathryn Stack,  
Secretary General of FEAP

## FEAP membership

- The Federation is composed of national fish farming associations representing 22 national associations from 21 countries
- All members are European but not all are European Union
- Salmon, trout, seabass and seabream, sturgeon and carp



# Federation Structure



# Some of our activities



# Challenges facing the sector

- New rules and regulations affecting the aquaculture sector
- The changing political structure in Europe (rise in populism and a changed confidence in European actions)
- Uncertainty for markets and politics
- The need for greater visibility and to proactively get our message out

# Our approach

- FEAP possesses wide experience in European subjects, policies and legislation
- maintains the common position as the core of its goals and objectives
- is a recognised player for research and development in the aquaculture sector
- is an informed and united voice for consultation (EU and international level)
- provides access to professional operators and support services to decision-makers
- Member interaction/communication leads to best practice and improved sector and more workable regulations: *'the future belongs to those who show up'!*

# Upcoming topics at the European level

- Review of the 2013 **Strategic Guidelines** for the Sustainable development of European Aquaculture: -reducing administrative burden  
-enhancing competitiveness  
-promoting a level-playing field
- Animal health and welfare (medicines, AMR, transport, slaughter)
- Consumer perceptions of aquaculture
- Marketing Standards Regulation (this autumn)

How does FEAP influence  
the political process?



European Commission

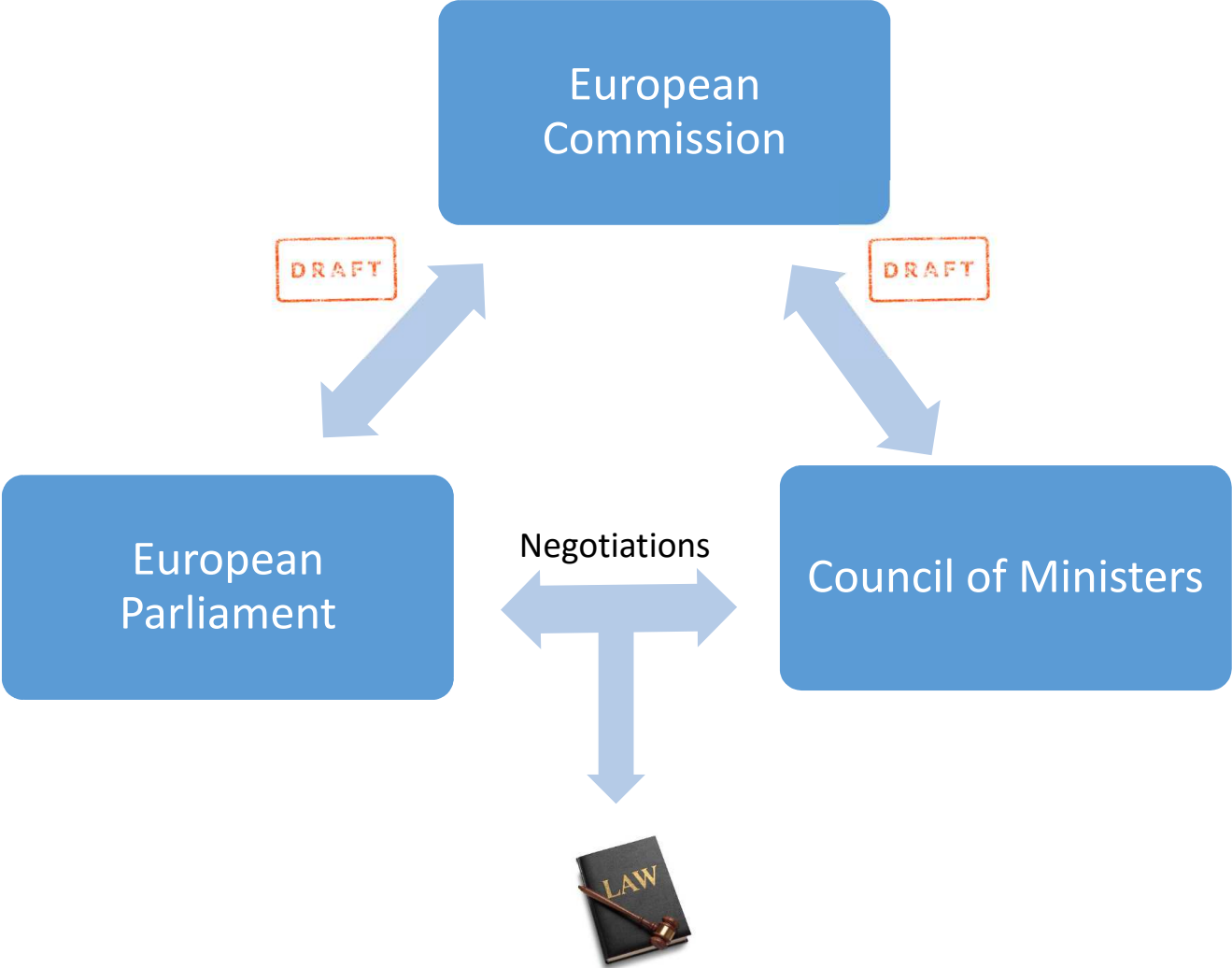


European Parliament

Council of Ministers

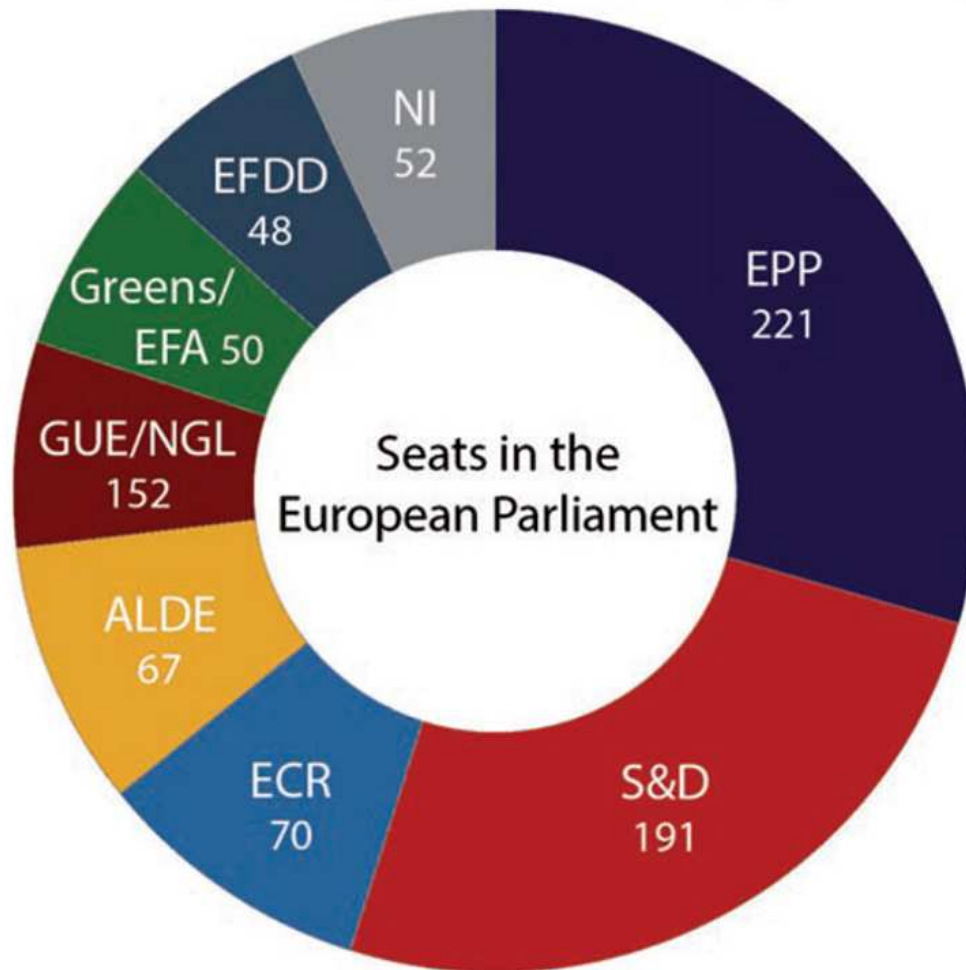


How is a European law  
made?

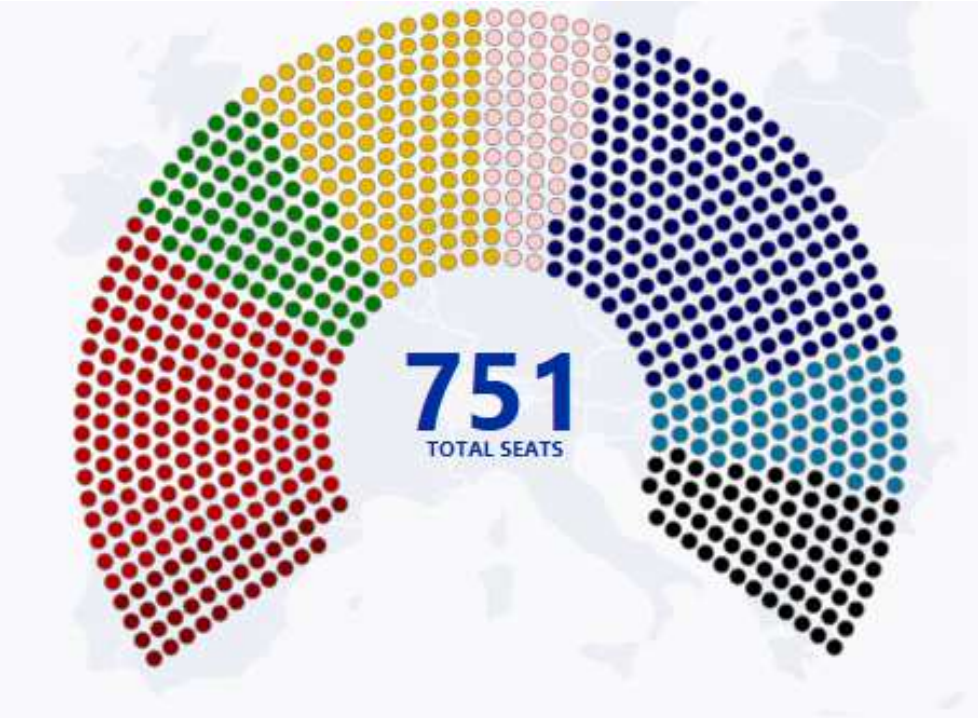


# European elections 2019

## Previous Parliament 2014-2019



# New European Parliament 2019-2024



	European People's Party (EPP)	↓	<b>182</b> <small>34</small>
	Progressive Alliance of Socialists and Democrats (S&D)	↓	<b>154</b> <small>33</small>
	Renew Europe (ex-ALDE)	↑	<b>108</b> <small>39</small>
	The Greens/ European Free Alliance (Greens-EFA)	↑	<b>75</b> <small>23</small>
	Identity and Democracy (ex-ENF)	↑	<b>73</b> <small>27</small>
	European Conservatives and Reformists (ECR)	↓	<b>62</b> <small>15</small>
	Unaffiliated parties	↑	<b>56</b> <small>36</small>
	European United Left/Nordic Green Left (GUE/NGL)	↓	<b>41</b> <small>11</small>
	Europe of Freedom and Direct Democracy (EFDD)	↓	<b>0</b> <small>42</small>

# Climefish Project

- FEAP is a partner in this Horizon 2020 project
- Project runs from 2016 - 2020
- Aim is to identify risks and opportunities regarding climate change and its effect on aquaculture
- Results show that carp-based pond aquaculture will be both positively and negatively affected by climate-change.



## Tutorials (Decision Support System)

- Software to help stakeholders make informed plans regarding climate change based on climate and biological predictions
- For example, it predicts how much carp you can harvest depending on feeding and stocking
- Provides an economic simulation estimating what it will cost you and what profits to expect
- You choose the climate change scenario (e.g. increase temp of 2-5 degrees or 3-7 degree increase)






# Tutorials (DSS for Hungarian Pond Aquaculture)

Pond/Lake Aquaculture in Hungary

Risk / Opportunities    Compare scenario/location    Compare individual growth

spatial setting



select simulation

climate scenario

species

select farm location

time frame

management option

get bio. result

feeding rate /stocking rate

feeding rate     stocking population

gross yield (kg/ha)      net yield (kg/ha)

FCR (kg feed/kg net yield)

final individual weight(kg)

specific water use (m<sup>3</sup>/kg weight gain)

economic simulation

Please enter for the economic calculations the following prices / cost.


Feed price	<input type="text"/>	Water service fee	<input type="text"/>
Carp 3 sales price /market price	<input type="text"/>	Water abstraction charge	<input type="text"/>
Carp 2 sales price /market price	<input type="text"/>	Water provided free of abstraction charge	<input type="text"/>
Prices stocking carp2	<input type="text"/>	Stocking costs of other polycultured species	<input type="text"/>
Prices stocking carp1	<input type="text"/>	Other costs (depreciation,rent,repair...)	<input type="text"/>
Average gross salary of worker	<input type="text"/>	Other revenues	<input type="text"/>
		Labor per 100 ha	<input type="text"/>

calculate business economics based on user input

calculate costs / profit    Calculated profit

Unit cost

00:54



## Case studies

- The project will explore how the most productive aquaculture species respond to different climate scenarios.
- 3 production sectors defined: marine fisheries, freshwater lakes and ponds and marine aquaculture.
- 15 case studies prepared including; Italian Lake Garda (whitefish, arctic char) Czech Lake Lipno (catfish, carp, pike-perche, whitefish) and Hungarian Pond (carp).
- The areas chosen allow for a range of predicted temperature changes and a variety of potential threats and biological processes.



# How can farmers adapt?

- What can we do at the farm level?

- Monitoring of growth, environmental parameters, health status, disease outbreaks
- Optimising stocking, feeding and manuring strategies to maximise yields
- Upgrading production infrastructure to withstand storms and floods and use of aeration techniques
- Farmers need to shift towards more extensive stocking strategies in order to minimise production costs, which would contribute to better management of production risks.

- What can governments do?

Improving data collection including mapping of disease outbreaks and spread since there is not enough data on carp production

- Identification of research and knowledge-building gaps

- Knowledge building regarding the biological mechanisms involved in response to higher temperatures
- Investment in breeding programmes.

# Thank you

[www.feap.info](http://www.feap.info)

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