



The Federation of European Aquaculture Producers

Fish Diseases past and future where does EU leads national producers



Bernhard Feneis
@Aquakultur VDBA

A European Federation of fish farmers

What does it do ?

How does it do it ?



Diseases – past and future

Where does EU leads national
producers

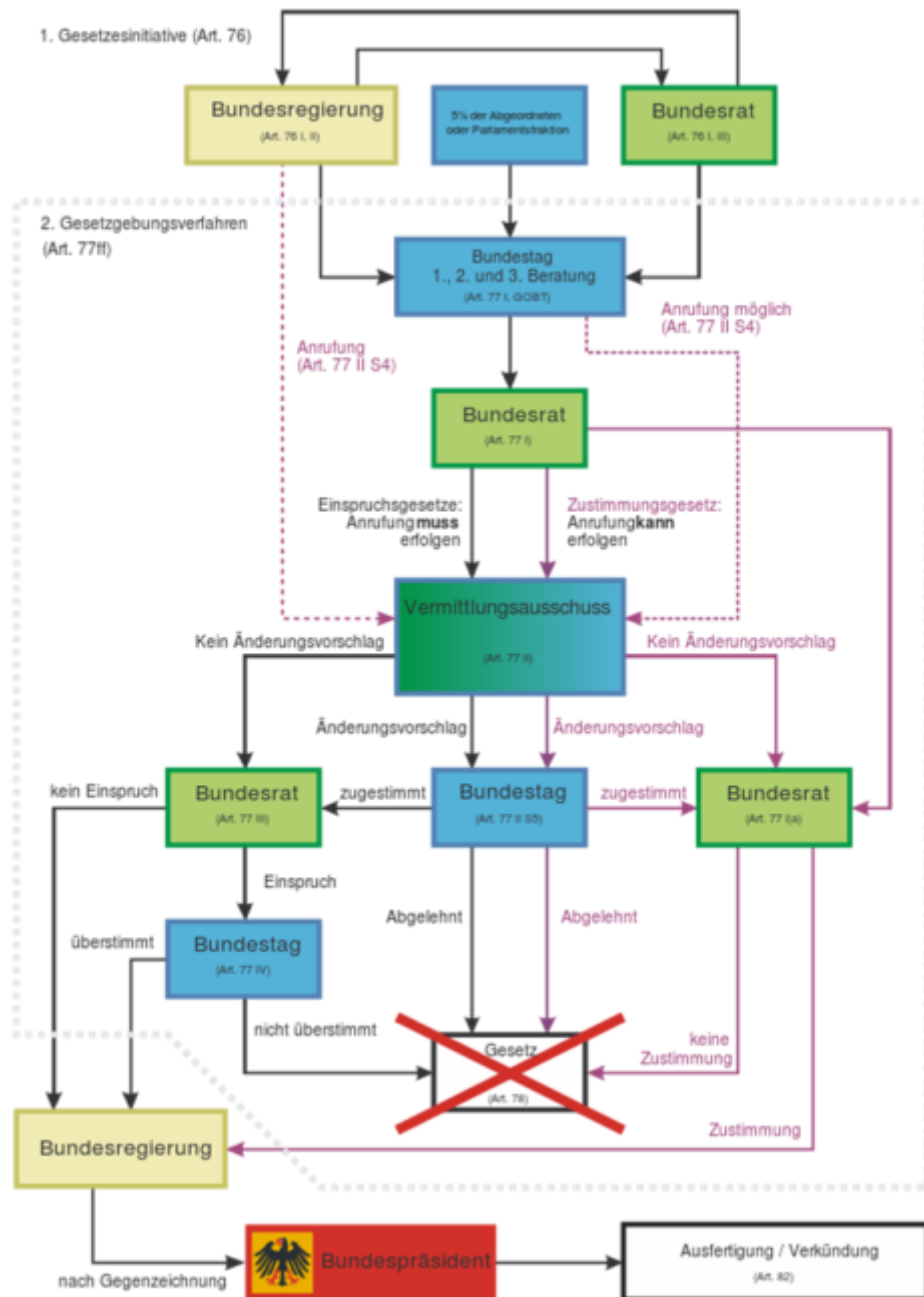


Freshwater aquaculture in the EU aquaculture scene



Trilog nach Lissabon





Diseases – past and future

1. Diseases
2. Therapy
3. Regulatory framework
4. Money
5. Platforms



1. Diseases
2. Therapy
3. Regulatory framework
4. Money
5. Platforms

Diseases (in the past)

1. Notifiable
2. Reportable



1. Diseases
2. Therapy
3. Regulatory framework
4. Money
5. Platforms

Diseases (in the past)

1. Notifiable carp: SVC
2. Reportable trout: VHS, IHN,



SPRING VIRAEMIA OF CARP (SVC)

Bauchwassersucht, Frühlingsvirämie der Karpfen

Pathogen: *RHABDOVIRUS CARPIO* (RNA-Virus)

- **Concerned species:** Cyprinids
- **Symptome:**

external: pop eyes, dark skin, bloated abdomen,

internal: inflammation of intestinal mucosa,
bleeding swimbladder, liquid in abdomen (Name!)

losses: Acut –peracut, losses up to 100%

- **Therapie:** not possible, virus



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Clinical symptoms



Clinical symptoms



1. Diseases
2. Therapy
3. Regulatory framework
4. Money
5. Platforms

Diseases (in the past)

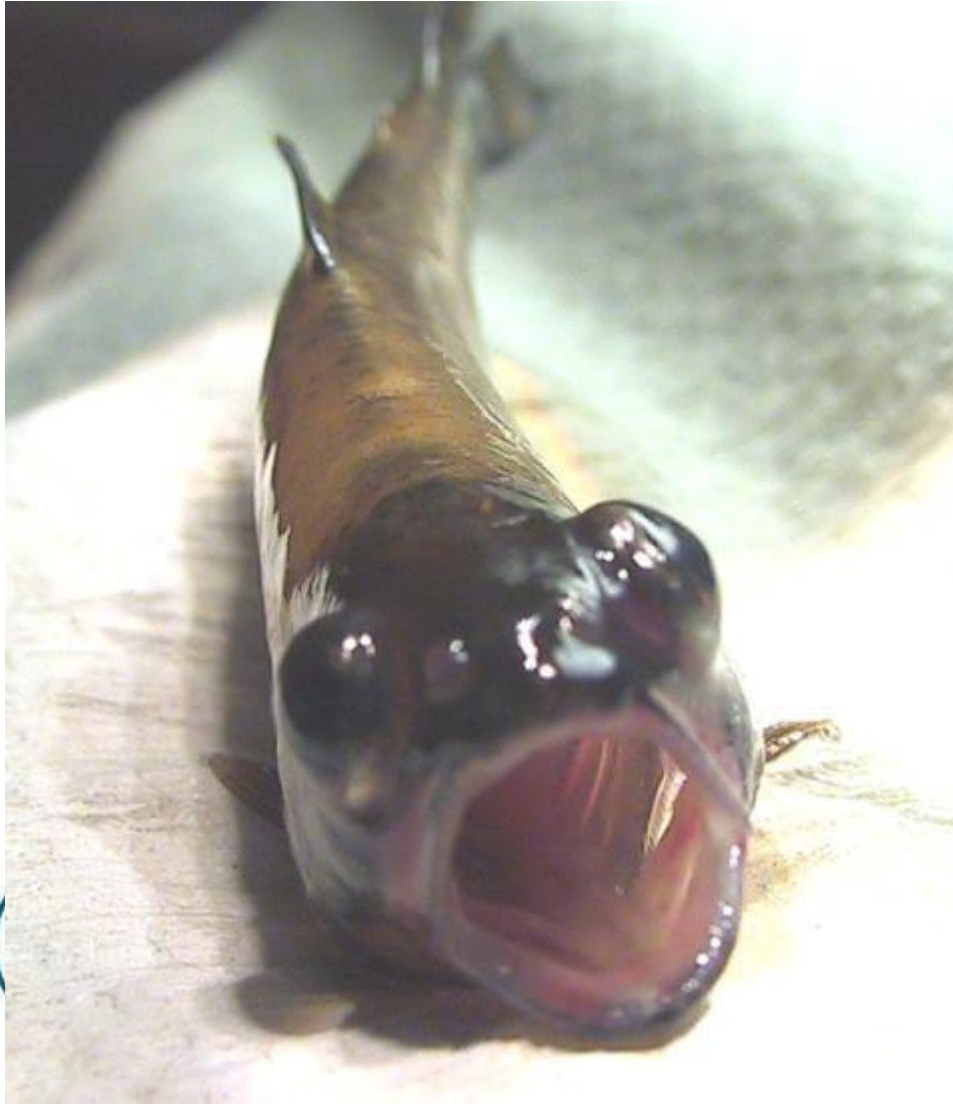
1. Notifiable carp: **SVC**
2. Reportable trout: VHS, IHN,



Clinical pics (VHS)



Clinical pics (VHS)



Feneis

Then came

Directive EG 88/2006

Notifiable **VHS** and **IHN** in trout

Notifiable **KHV** in carp

SVC not listed any more.



KHV , clinical symptoms







Due to these diseases:

Categories I-V

Transport regulations : TRACES

Private and authority control in the site

Distinguish exotic and nonexotic disease

Flowcharts for all kinds of outbreaks:
who what when....



Present situation: (in Germany)

VHS comes from Italy,
IHN comes from France,
KHV is, if at all, a local, temporary
problem,



Present situation:

Traces makes lot of problems, it is the fishbreeders job to translate it into german,

The authority kills the fish if they cannot read it. (e.g. french papers!)



Present situation:

Privat control means a Vet has to controll up to 3 times each site which sells living fishes for restocking. Costs up to 200 € a year not regarding the farm size.



Zentrale Tierseuchendatenbank

Liste Drucken Neues SO Auswertungen Abfragevorlagen Schließen

Zeitraum

aktuelles Jahr

01.01.2015 08.12.2015

anwenden auf: Feststellung

- Filter**
- aktive Seuchenobjekte
 - Bundesländer**
 - Schleswig-Holstein
 - Hamburg,Stadt
 - Niedersachsen
 - Bremen
 - Nordrhein-Westfalen
 - Hessen
 - Rheinland-Pfalz
 - Baden-Württemberg
 - Bayern
 - Ingolstadt,Stadt
 - München,Stadt
 - Rosenheim,Stadt
 - Altötting
 - Berchtesgadener Land
 - Bad Tölz-Wolfratshausen
 - Dachau

Aktualisieren Anzahl Seuchenobjekte: 57

1 2 3 Seite 1 von 3, Seuchen

SO-Kennung	Tierseuchen/Tierkrankheit Tierart Erreger	BL	Kreis Gemeinde	Feststellung Aufhebung	erst letz
	Virus der Viral.Häm. Sej		Haßfurt		
15-204-00009	Tuberkulose der Rinder 5 Tierarten erf. keine Angaben	BY	Ostallgäu Markttoberdorf	16.10.2015	21.10.2015
15-251-00412	Bovine Virus Diarrhoe Rind Vir.d.bov.Virusdiarrhoe,	BY	Cham Falkenstein	27.07.2015	27.07.2015 20.10.2015
15-902-00167	Amerikanische Faulbrut Bienen (Völker) Bacillus larvae	BY	Bamberg Oberhaid	08.10.2015	19.10.2015
15-902-00166	Amerikanische Faulbrut Bienen (Völker) Bacillus larvae	BY	Kempton i. Allgäu,Stadt Kempton (Allgäu)	22.09.2015	13.10.2015
15-801-00017	Virale Hämorrhagische Forelle, Regenbogenforelle Virus der Viral.Häm. Sej	BY	Traunstein Traunreut	06.10.2015	08.10.2015
15-251-00500	Bovine Virus Diarrhoe Kalb - 3 Monate	BY	Miesbach valley	22.06.2015	06.10.2015

Zentrale Tierseuchendatenbank



Liste Drucken
 Neues SO
 Auswertungen ▾
Abfragevorlagen ▾

 Schließen

Zeitraum

aktuelles Jahr ▾
 01.01.2015 08.12.2015
 anwenden auf:

Aktualisieren Anzahl Seuchenobjekte: 57

⏪
⏩
1
2
3
⏪
⏩

Seite 1 von 3, Seu

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 - Altötting
 - Berchtesgadene
 - Bad Tölz-Wolfr
 - Dachau
 - Ebersberg
 - Eichstätt
 - Erding
 - Freising

Einfache Kartendarstellung

200 500
 Restriktionszonen Radien (Puffer)

Sichthöhe ändern: 11 km ⏪ ⏩

Feststellung
Aufhebung

16.10.2015	2
27.07.2015	2
08.10.2015	1
22.09.2015	1
06.10.2015	0
22.06.2015	0
23.09.2015	0

Zentrale Tierseuchendatenbank

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 - Bad Tölz-Wo
 - Dachau
 - Ebersberg
 - Eichstätt
 - Erding
 - Freising

SO-Kennung	Tierseuchen/Tierkrankhe Tierart Erreger	BL	Kreis Gemeinde	Feststellung Aufhebung
	Virus der Viral.Häm. Sej		Haßfurt	
	Tuberkulose der Rinder		Ostallgäu	

Historie des Seuchenobjektes

15-801-00017
Aktuell (Version 1)

Kreis:	Traunstein
Gemeinde:	Traunreut
TS / TK:	Virale Hämorrhagische Septikämie der Salmoniden
betroffene TA:	Forelle, Regenbogenforelle
TSN-Version:	3.0
1. Meldung:	08.10.2015 16:12
Letzte Meldung:	08.10.2015 16:12
Letzter Bearb.:	TS-09189#LINDLA
Storniert:	Nein

Details anzeigen

Schließen

Seuchenfeststellung

15-801-00017

Tierseuche:

erste M

Virale Hämorrhagische Septikämie der Salmoniden

08.10.2

Feststellung: 06.10.2015**Bundesland:** Bayern**Georeferenzierung:****Kreis:** Traunstein (09189)

Gauss-Krüger (PD):

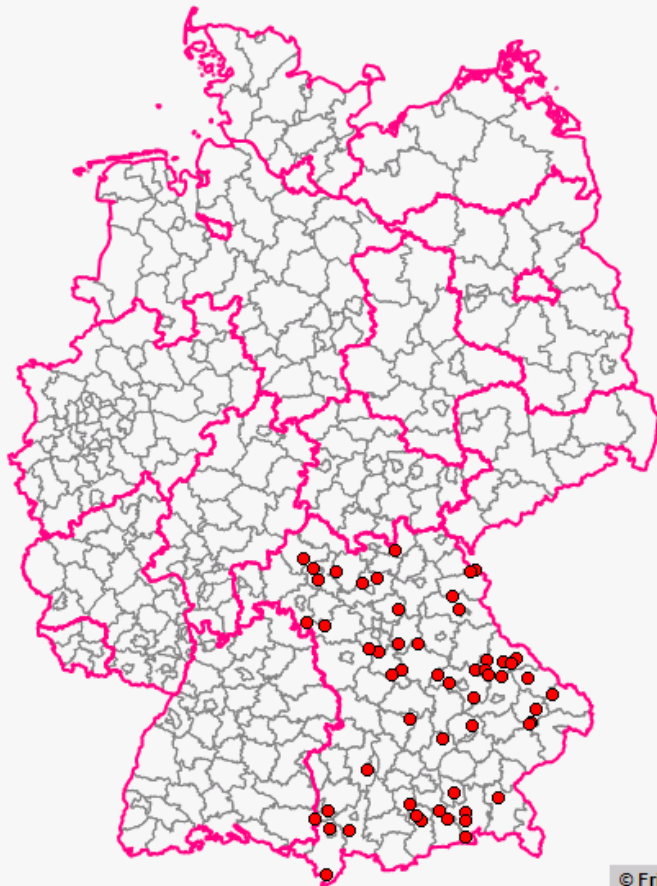
Traces LVU-Id: DE43709

geographisch dezimal (WGS84):

Gemeinde: Traunreut

geographisch gradiell (WGS84):

Ortsteil: keine Angaben**Erreger:** Virus der Viral.Häm. Septik. d.
Salmon.**Unters.grund:** Sonst.Diagn.
(z.B.Einsendg.verend.Tiere)



Kartenlegende:

- Feststellung (57)
- Bundesländer
- Kreise



© Friedrich-Loeffler-Institut

Erreger Tierhalter

15-028-00009

Koi Herpesvirus-Infektion
Koi-Karpfen
Koi-Characinus

BY

Schwabach, Stadt
Schwabach

08.07.2015

09.07.2015 13:31

Current state:

- Notifiable diseases are those listed in **Part II, Annex IV of Council Directive 2006/88/EC**,.
- Directive 2006/88/EC classifies notifiable diseases into two categories. (exotic / non exotic)
- Each category has its own set of criteria. This regulates disease control and ensures the safe movement of aquatic animals and the placement of aquaculture products on the market.



Current state:

- **Non-exotic Diseases**
- These are present in some parts of the European Community and have either, the potential for significant economic impact in aquaculture or the potential to cause detrimental environmental impact to wild species if they occur in regions where they aren't currently found. =>**CHV3-I**



Current state:

- **Exotic Diseases**
- These are exotic to the European Community and have the potential for significant economic impact in aquaculture or have potential to cause detrimental environmental impact to wild species if they occur in the European community.



Current state:

- Notifiable diseases are those listed in **Part II, Annex IV of Council Directive 2006/88/EC**,.
- Directive 2006/88/EC classifies notifiable diseases into two categories. (exotic / non exotic)
- Each category has its own set of criteria. This regulates disease control and ensures the safe movement of aquatic animals and the placement of aquaculture products on the market.



The Future:

VHS and **IHN** will remain in the notifiable level

KHV should be not notifiable (see Resolution in Vodnany 2015)



Future:

- *Notifiable diseases, are those listed until now in **Part II, Annex IV of Council Directive 2006/88/EC**,*
- And in the future: the new regulation:
- **ANIMAL Health Law “AHL”**
- **With 5 different categories of notifiable diseases**



The future: 5 different categories of notifiable diseases

- **Cat. 1 Disease** which do not exist in the EU and against which you have to fight in case of an outbreak at once.
- Is the existing “exotic disease”

- **Cat. 2. Disease** against which EU wide the fight has the aim to get rid of the already existing disease. (Is the not “exotic disease”)



The future: 5 different categories of notifiable diseases

- **additional categories:**
- Cat 3. Disease for which the member state can get additional guarantees
- Cat 4. Disease which is relevant in trade with the relevant animal
- Cat 5. Disease which just has to be surveyed => KHV/CHV₃
 - The level for each disease will be decided on EU Level in DG SANCO involving national Authorities of the different MS

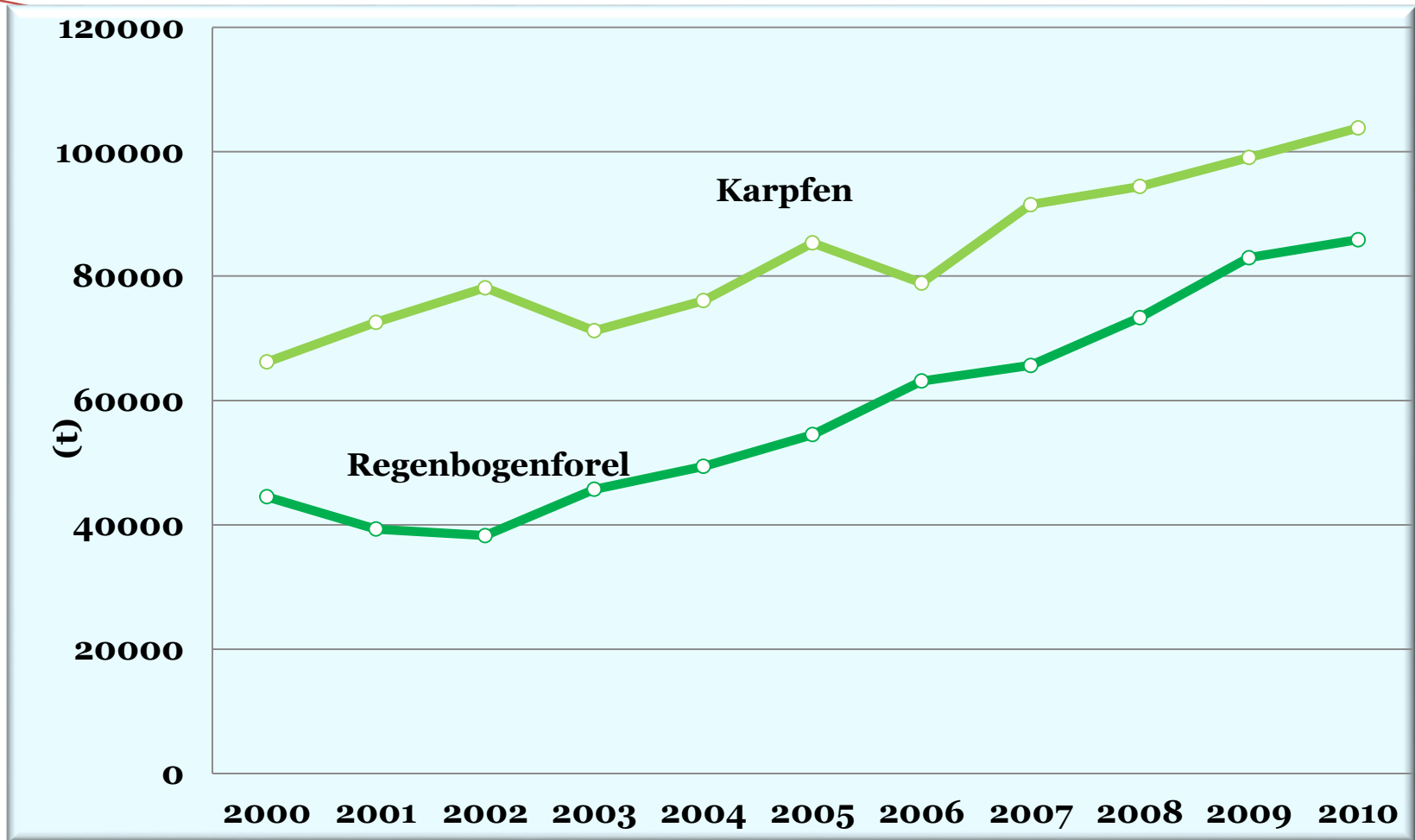


The future: 5 different categories of notifiable diseases

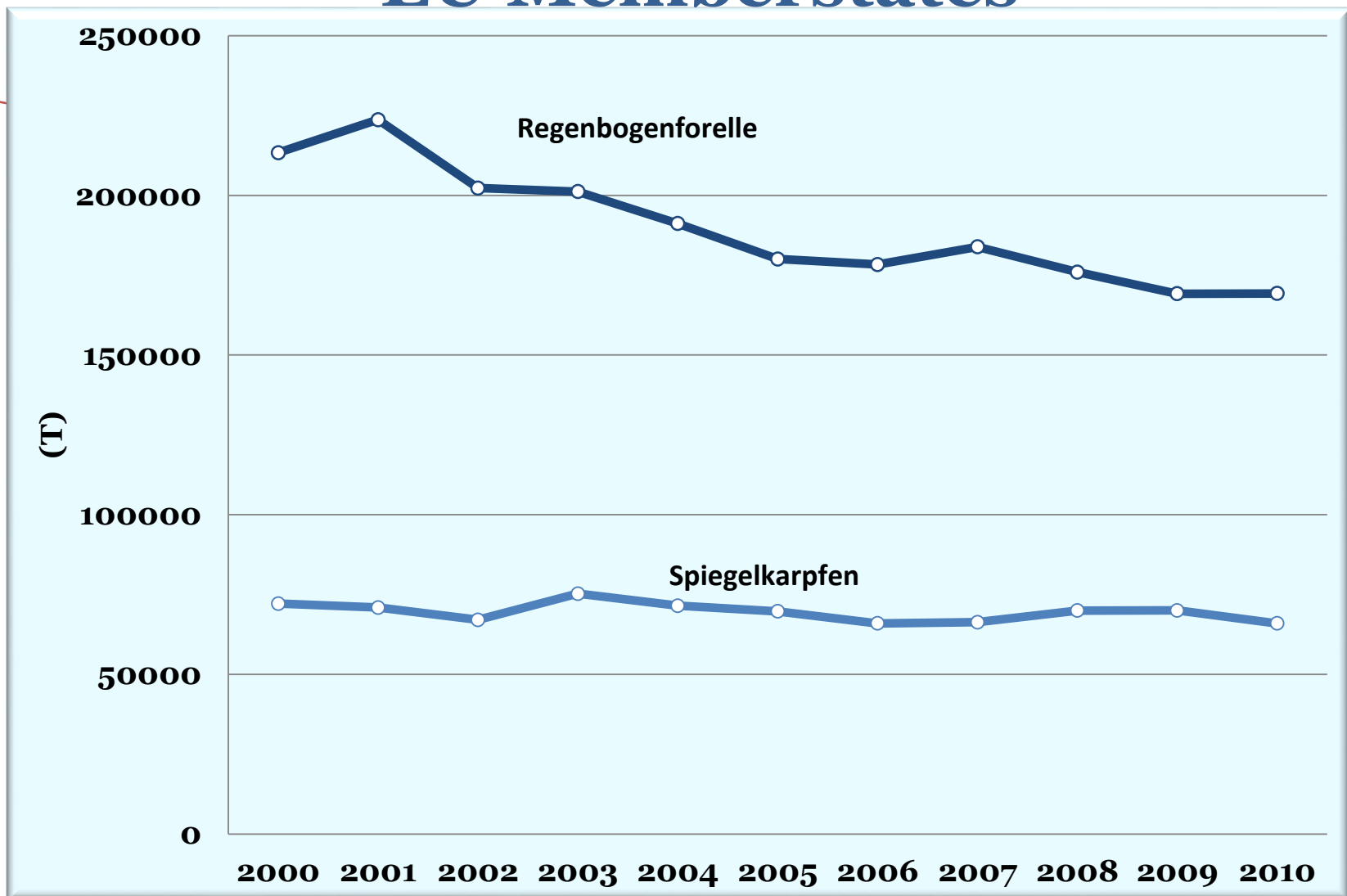
- Cat. 1 Disease which do not exist in the EU and against which you have to fight in case of an outbreak at once.
- Cat. 2. Disease against which EU wide the fight has the aim to get rid of the already existing disease.
- Cat 3. Disease for which the member state can get additional guarantees
- Cat 4. Disease which is relevant in trade with the relevant animal
- Cat 5. Disease which just has to surveyed

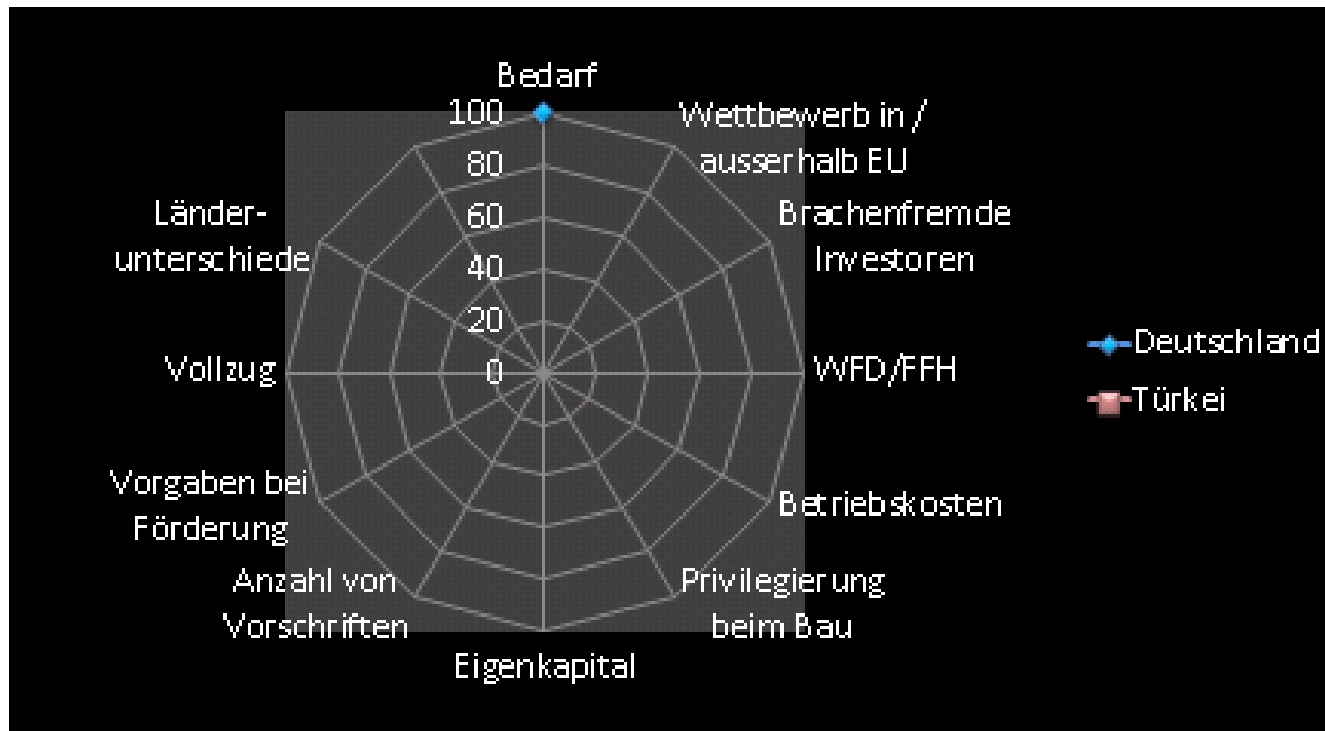


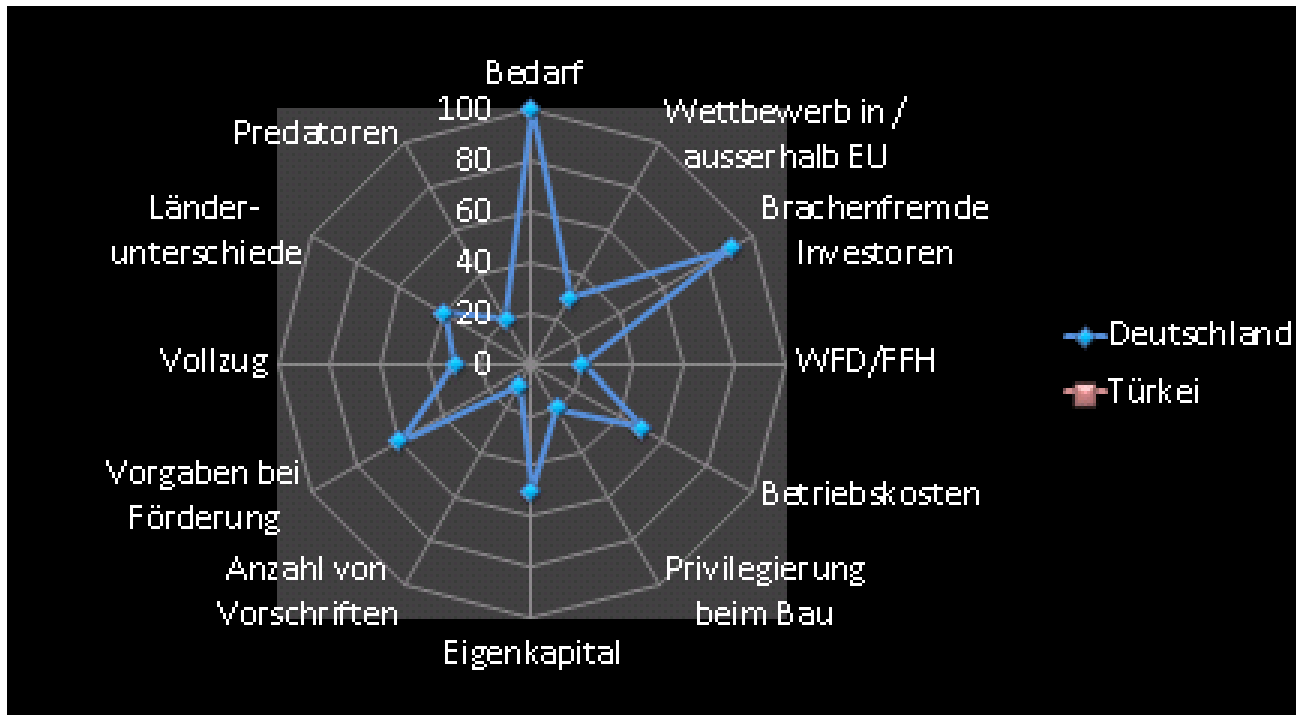
Trout and Carpproduction in non EU countries

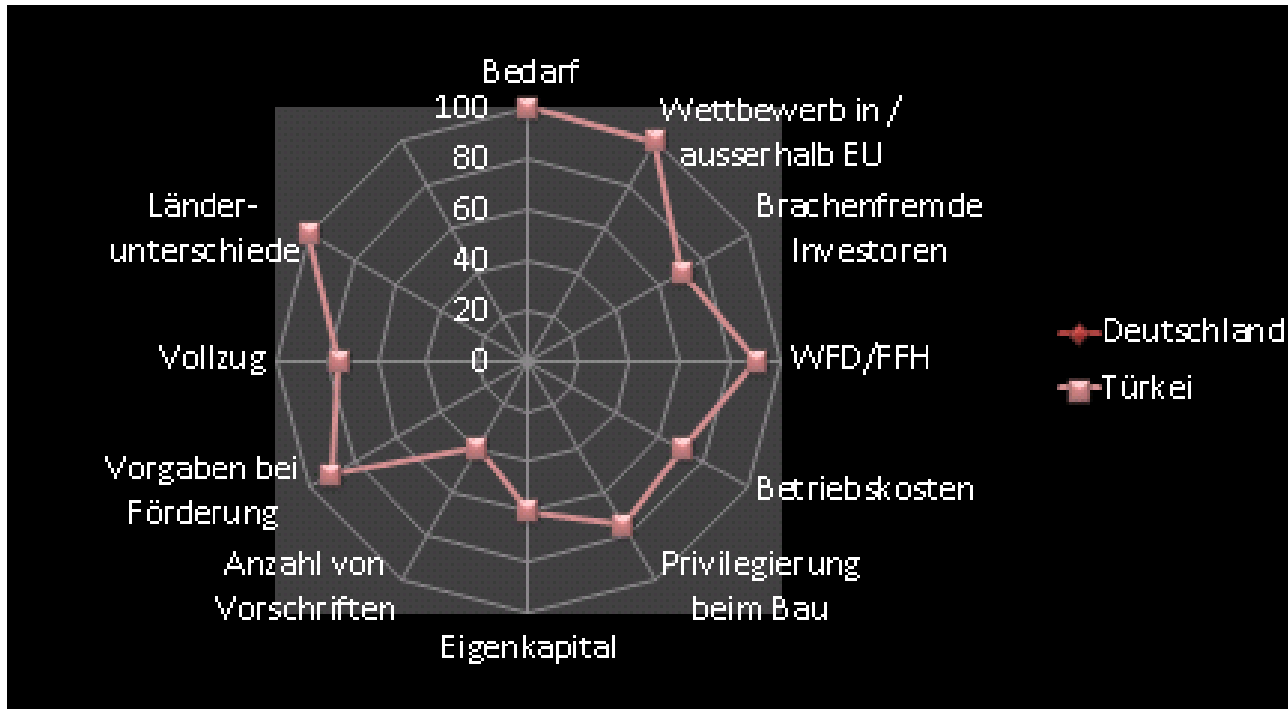


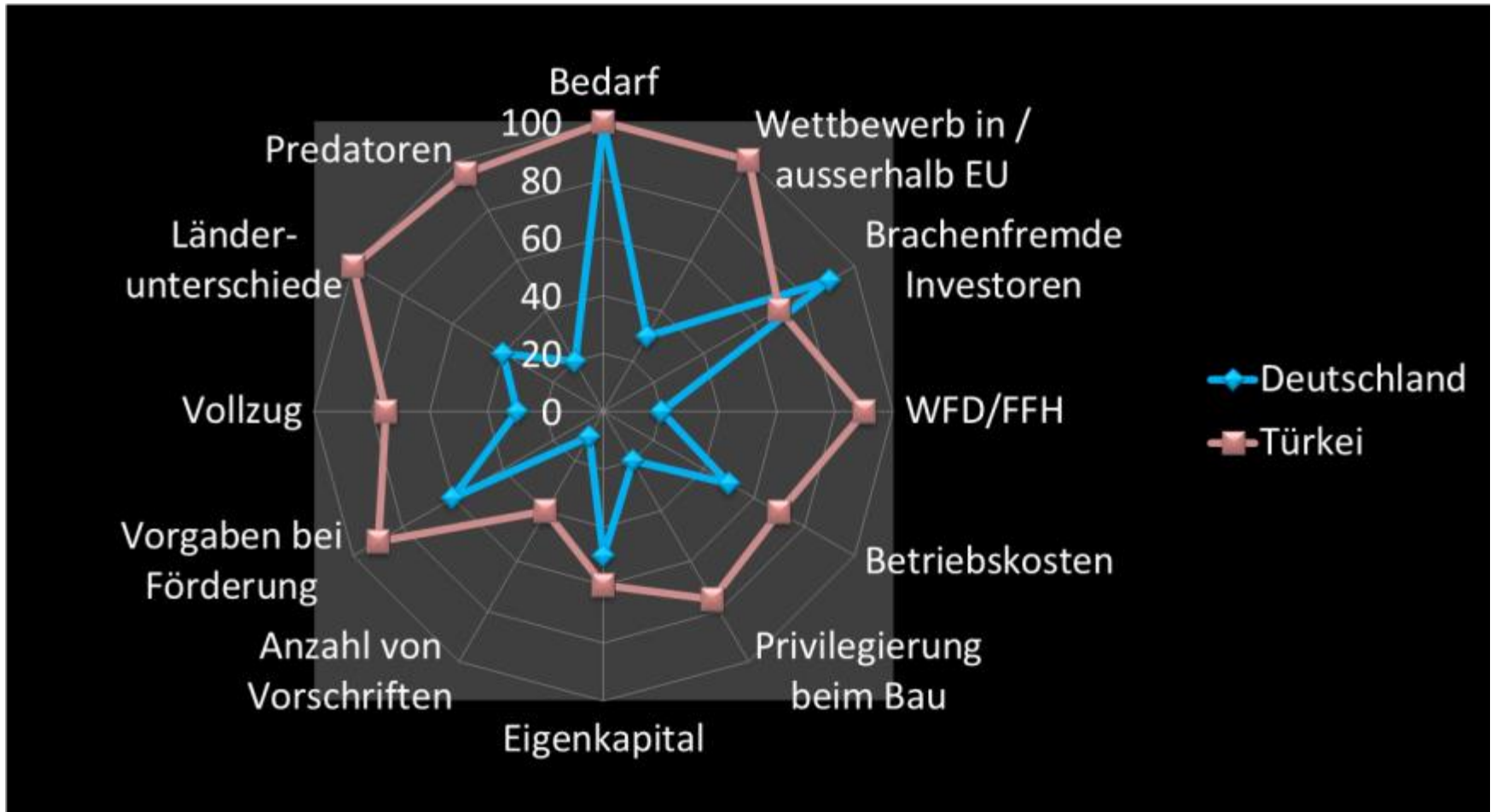
Trout and Carpproduction in EU Memberstates

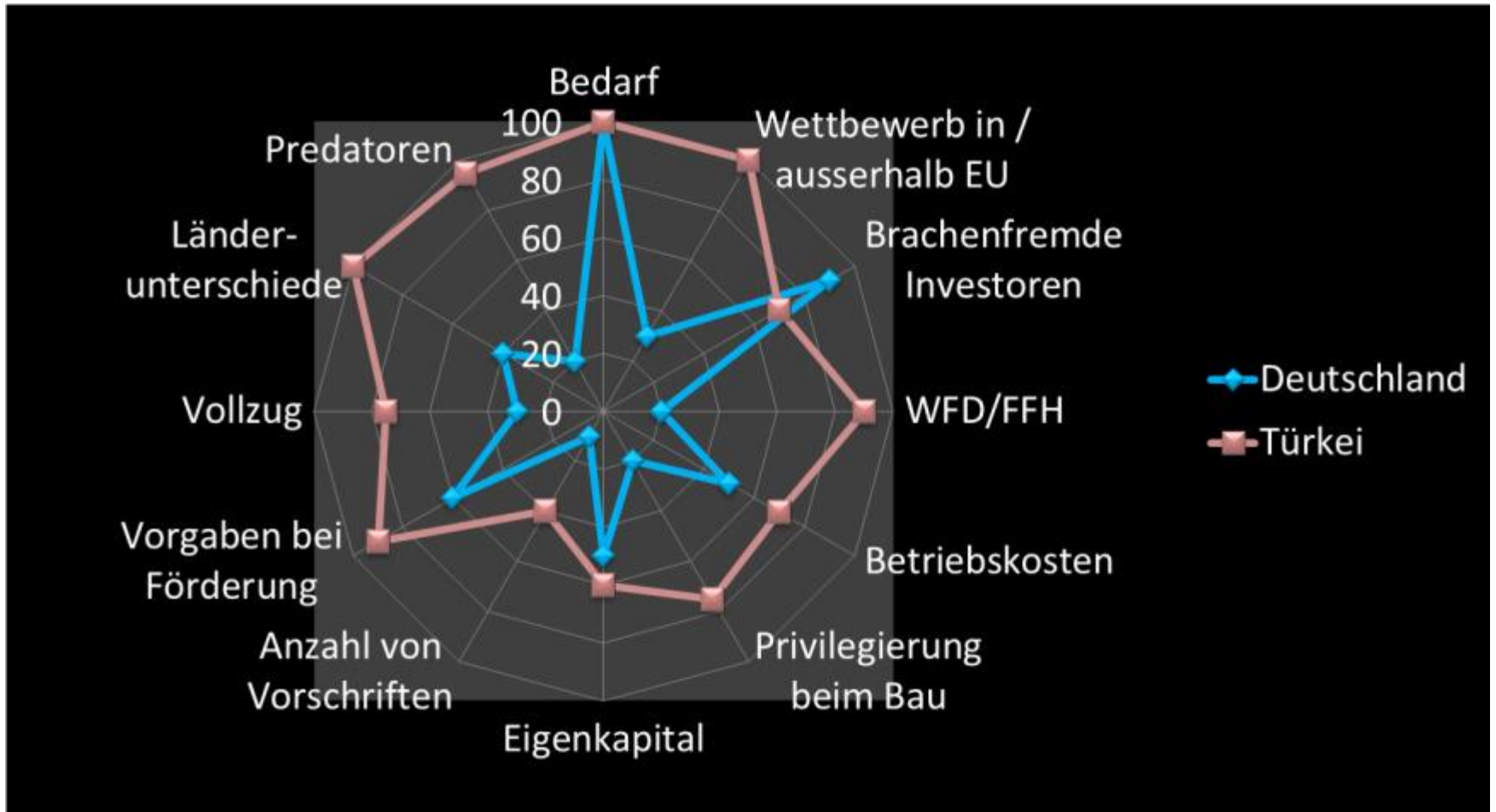


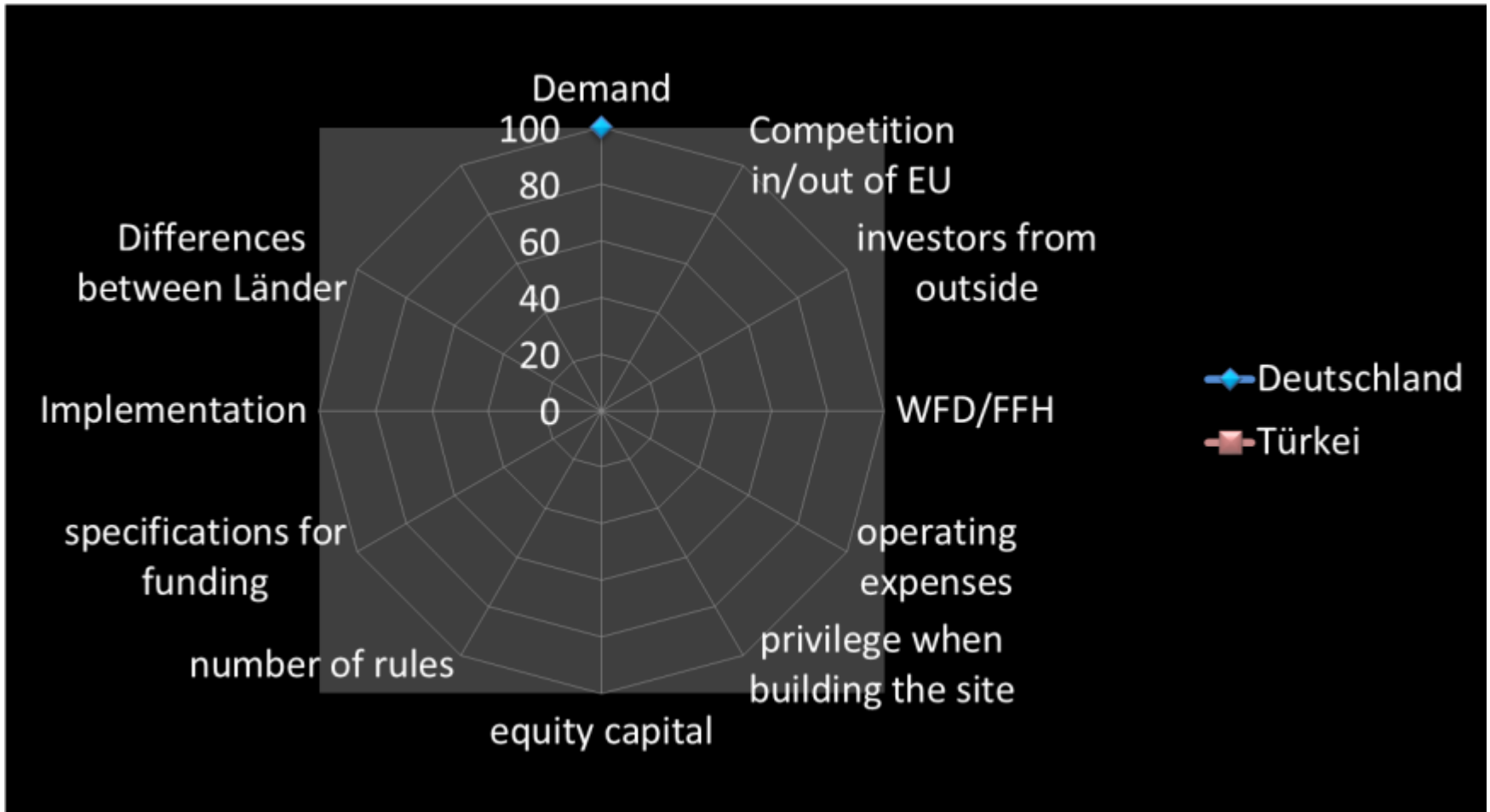


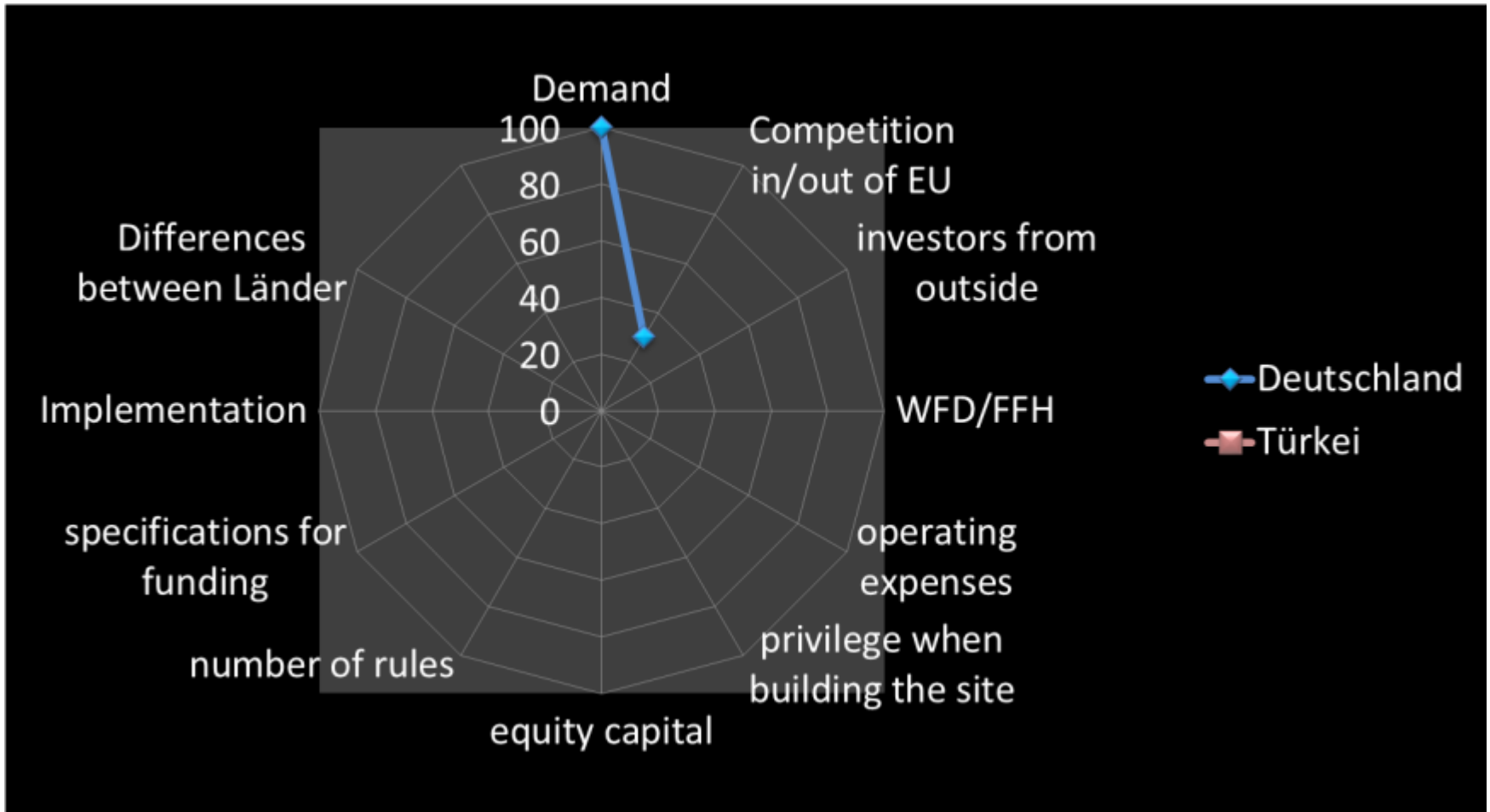


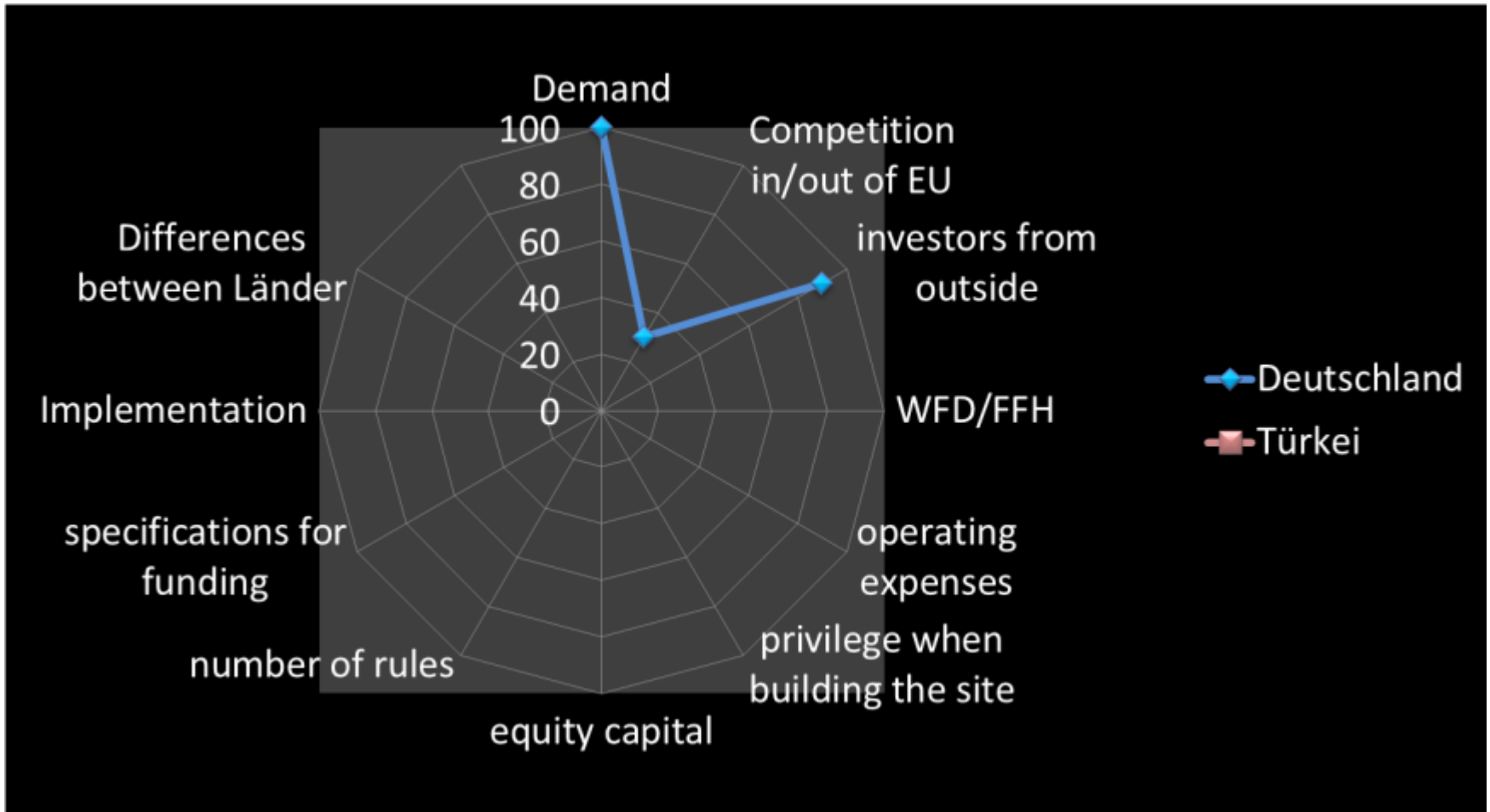


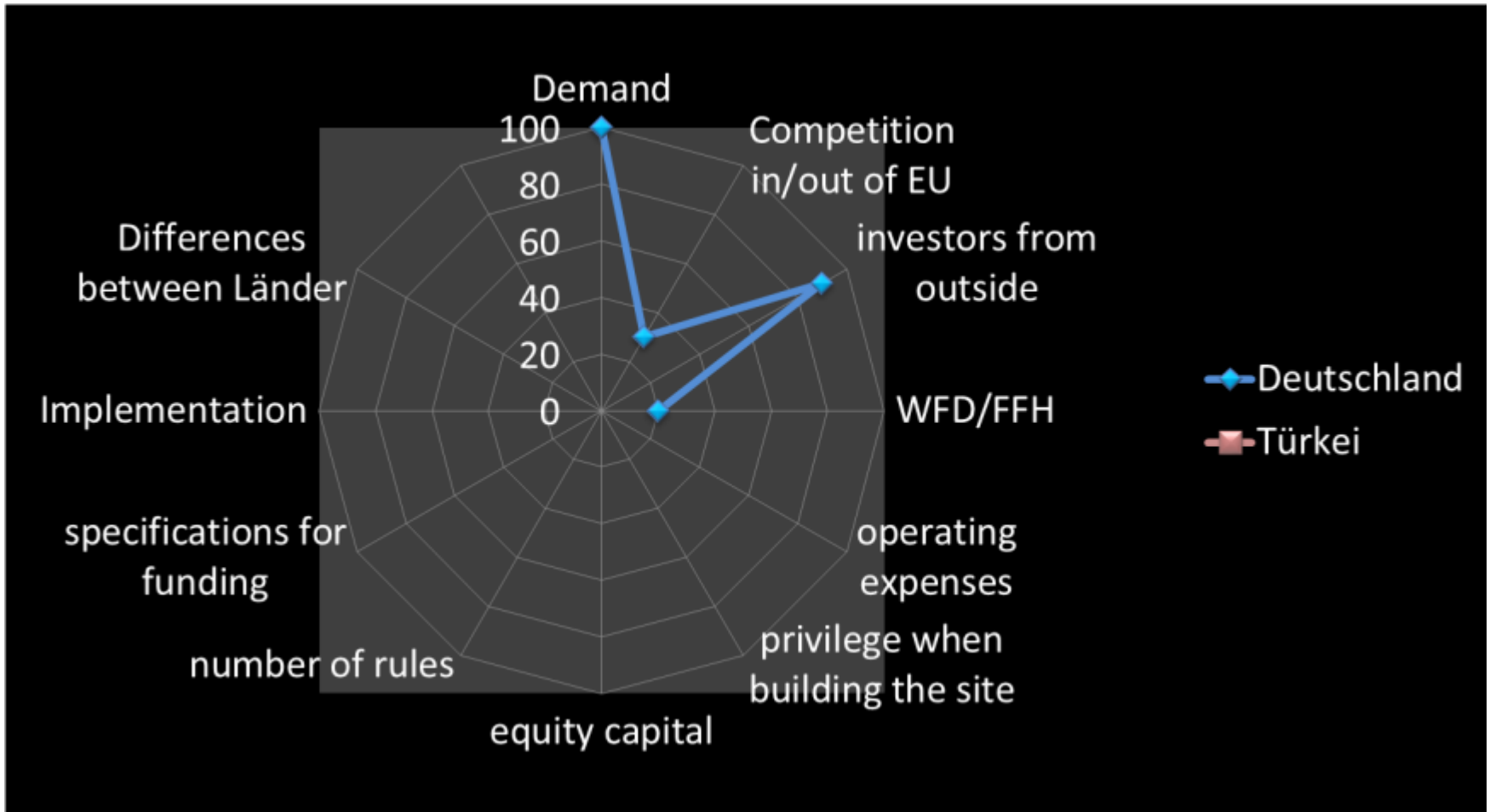


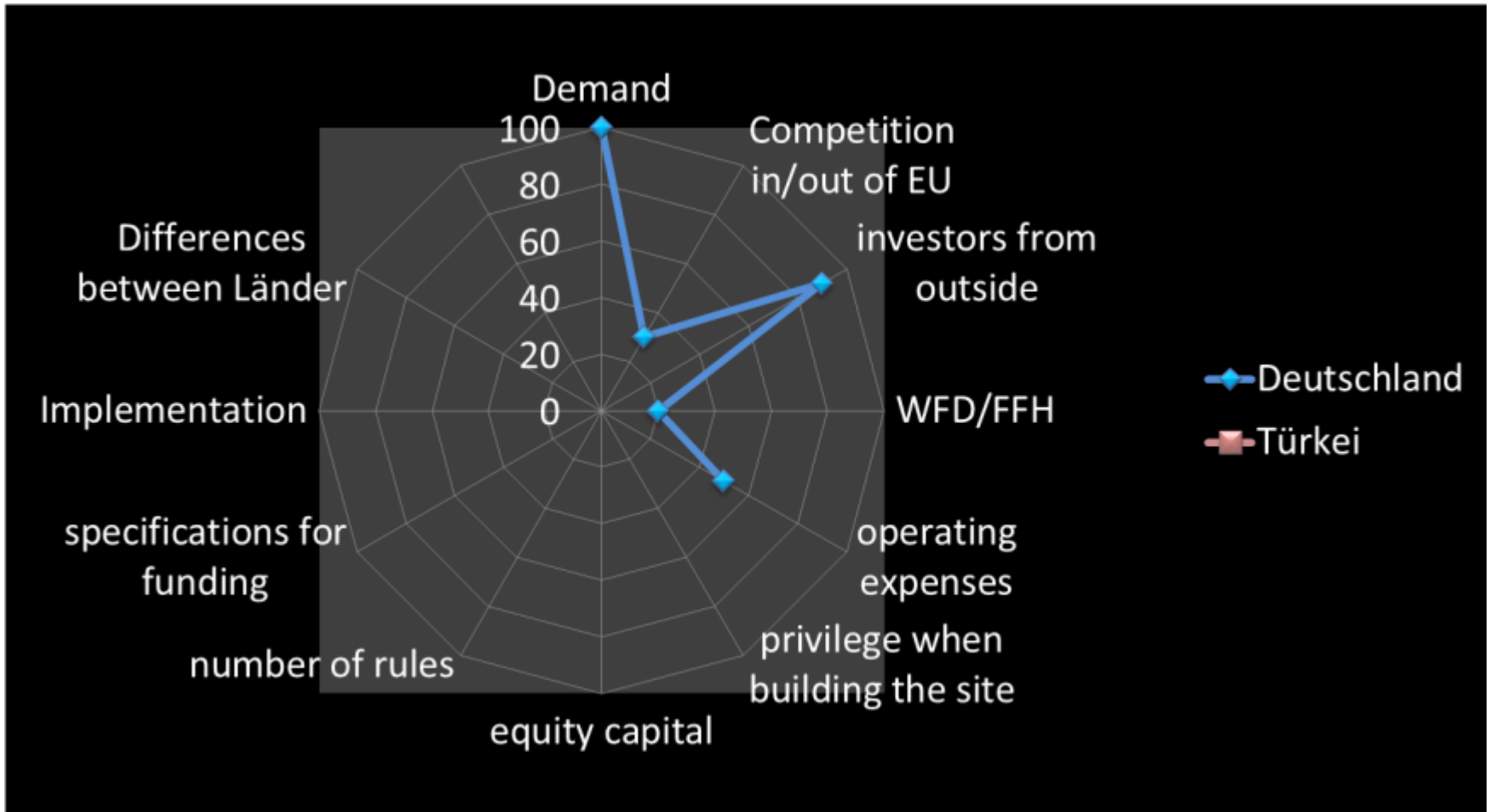


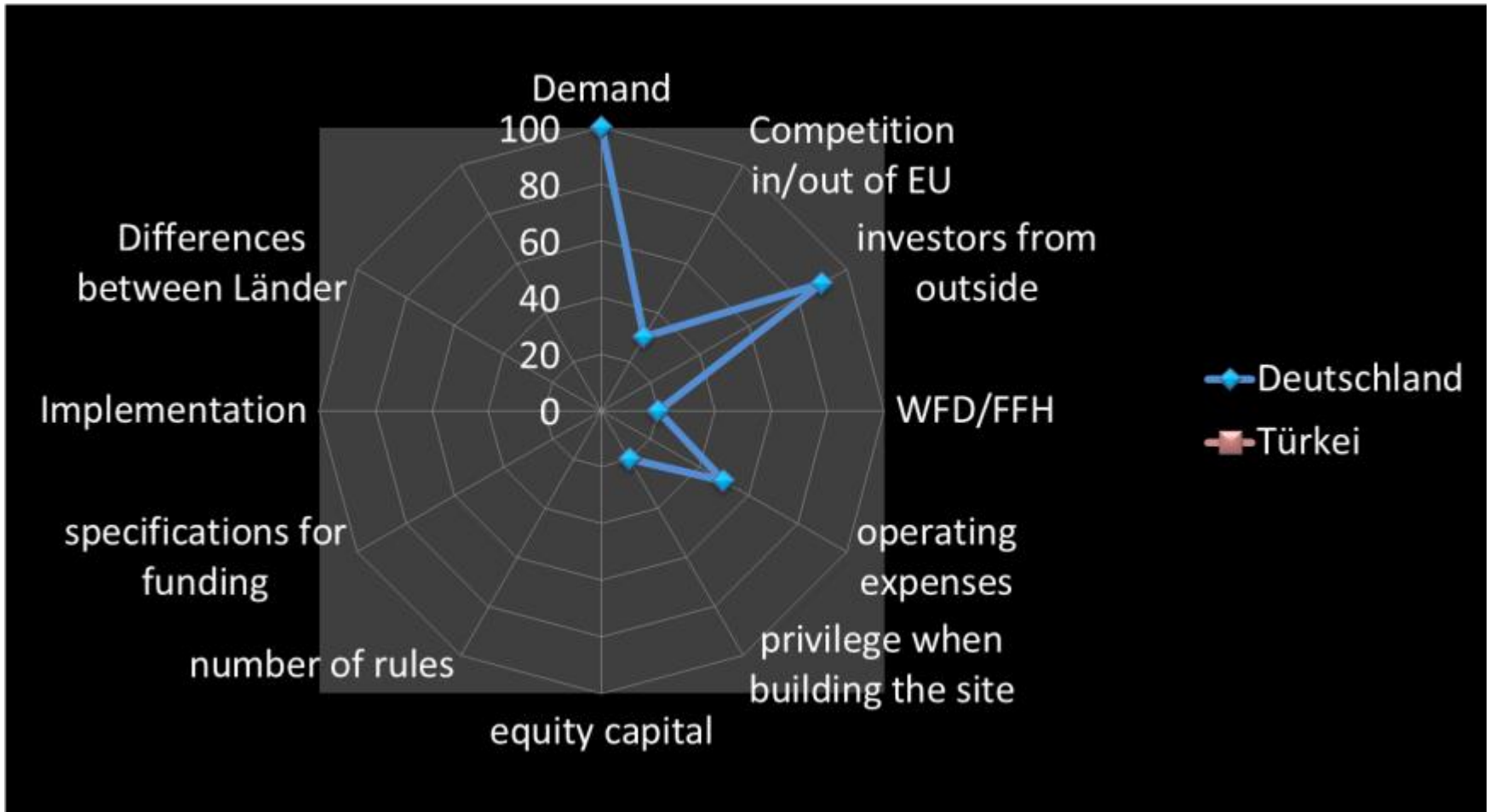


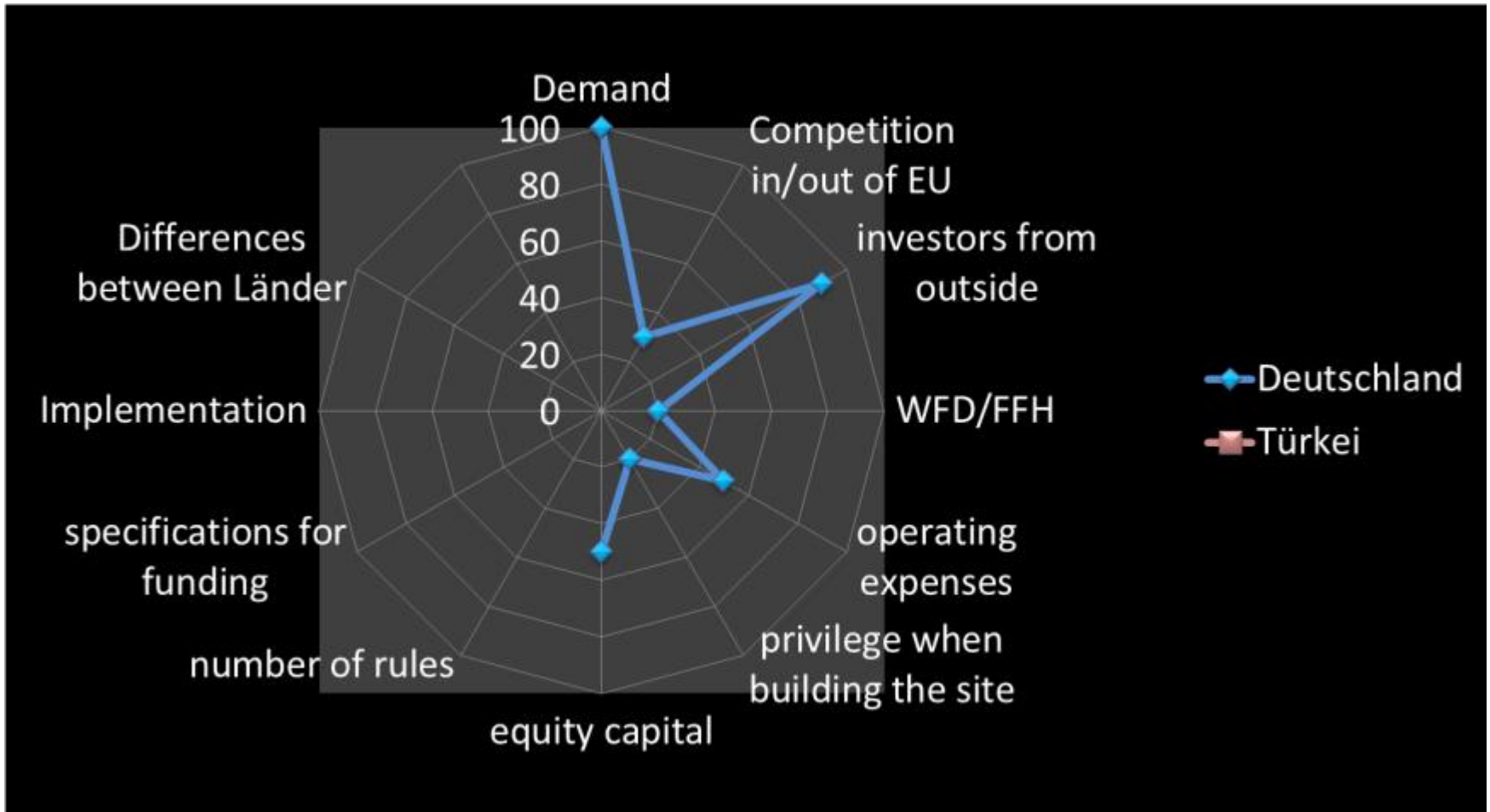


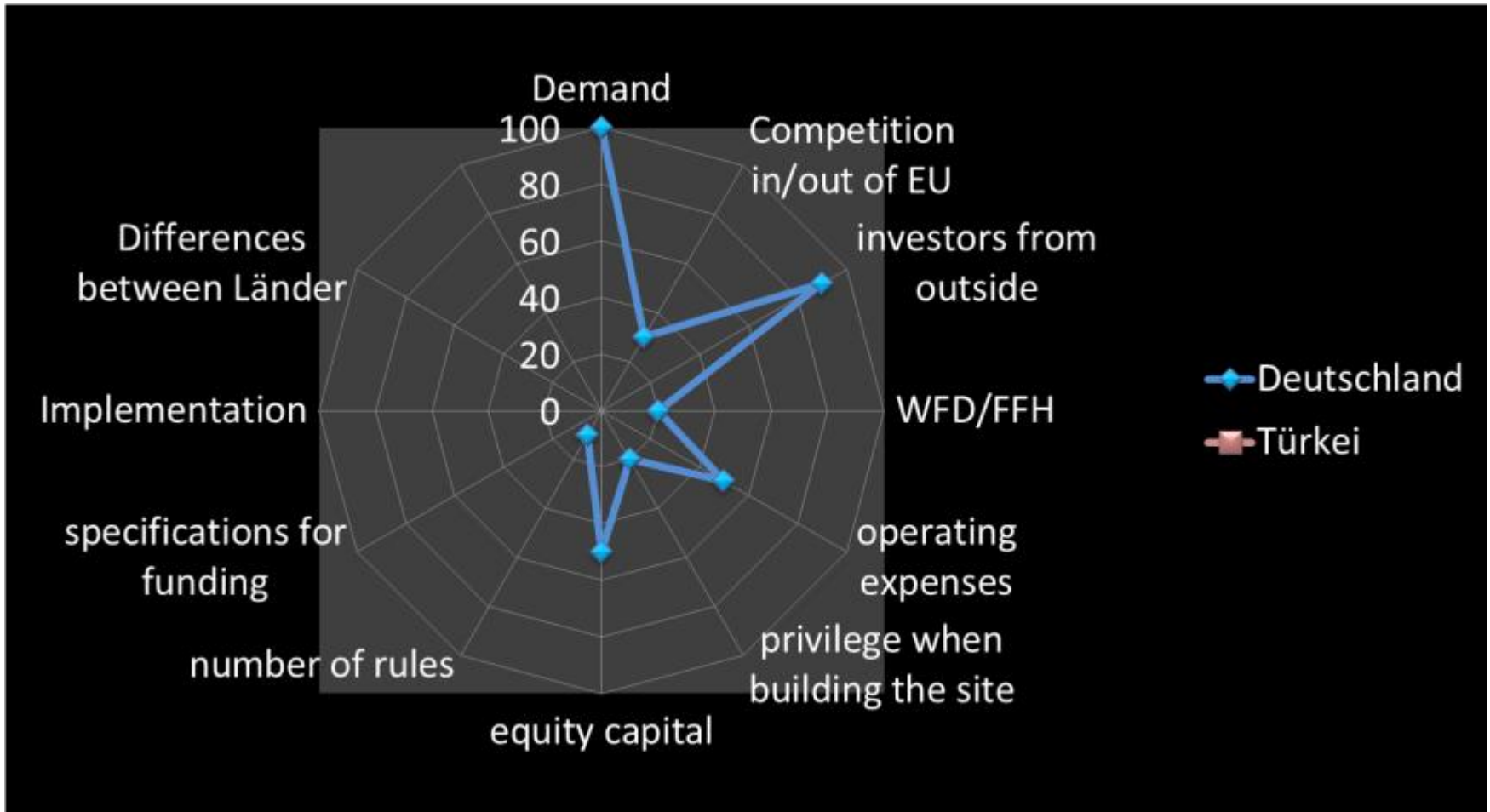


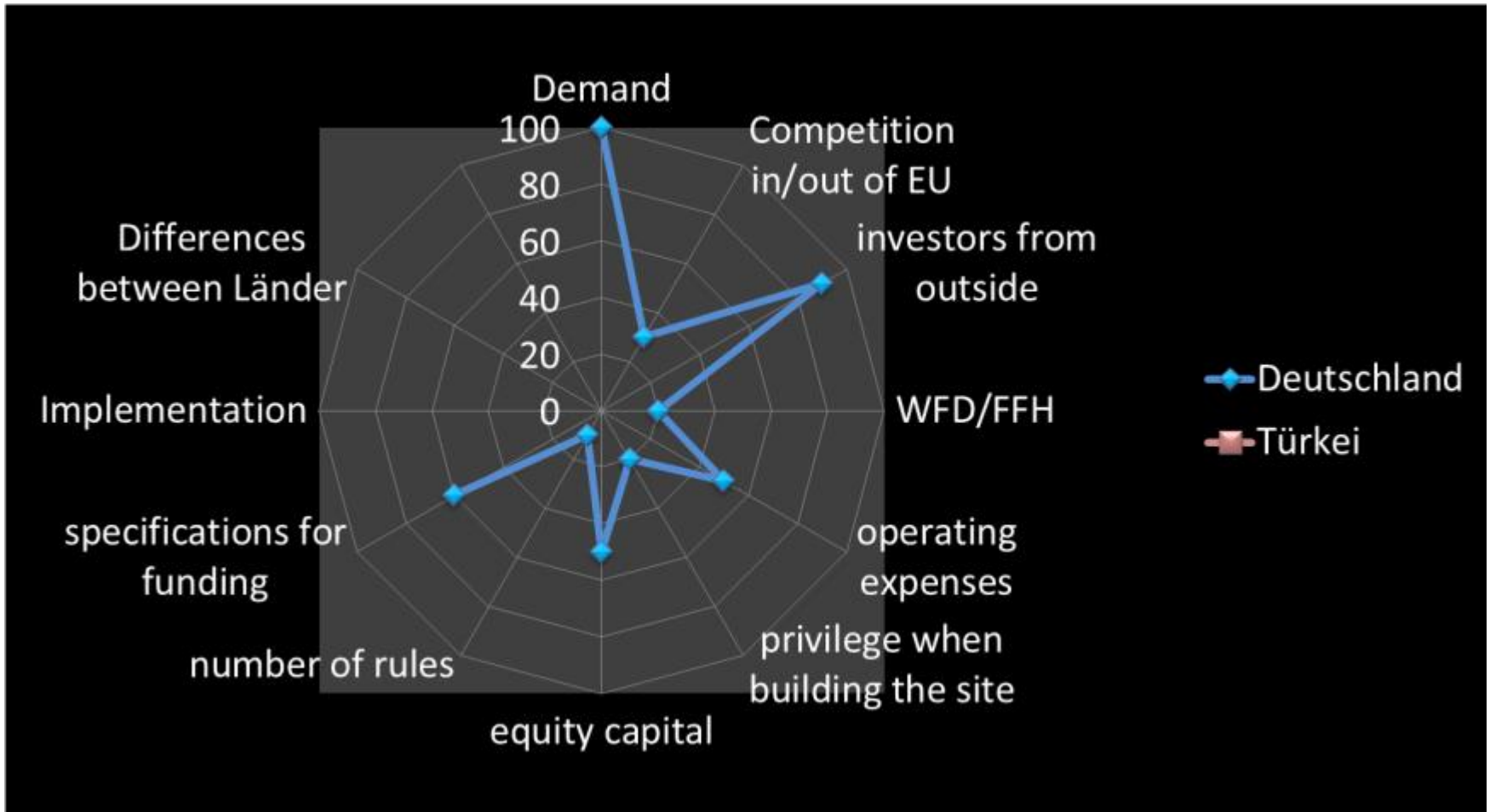


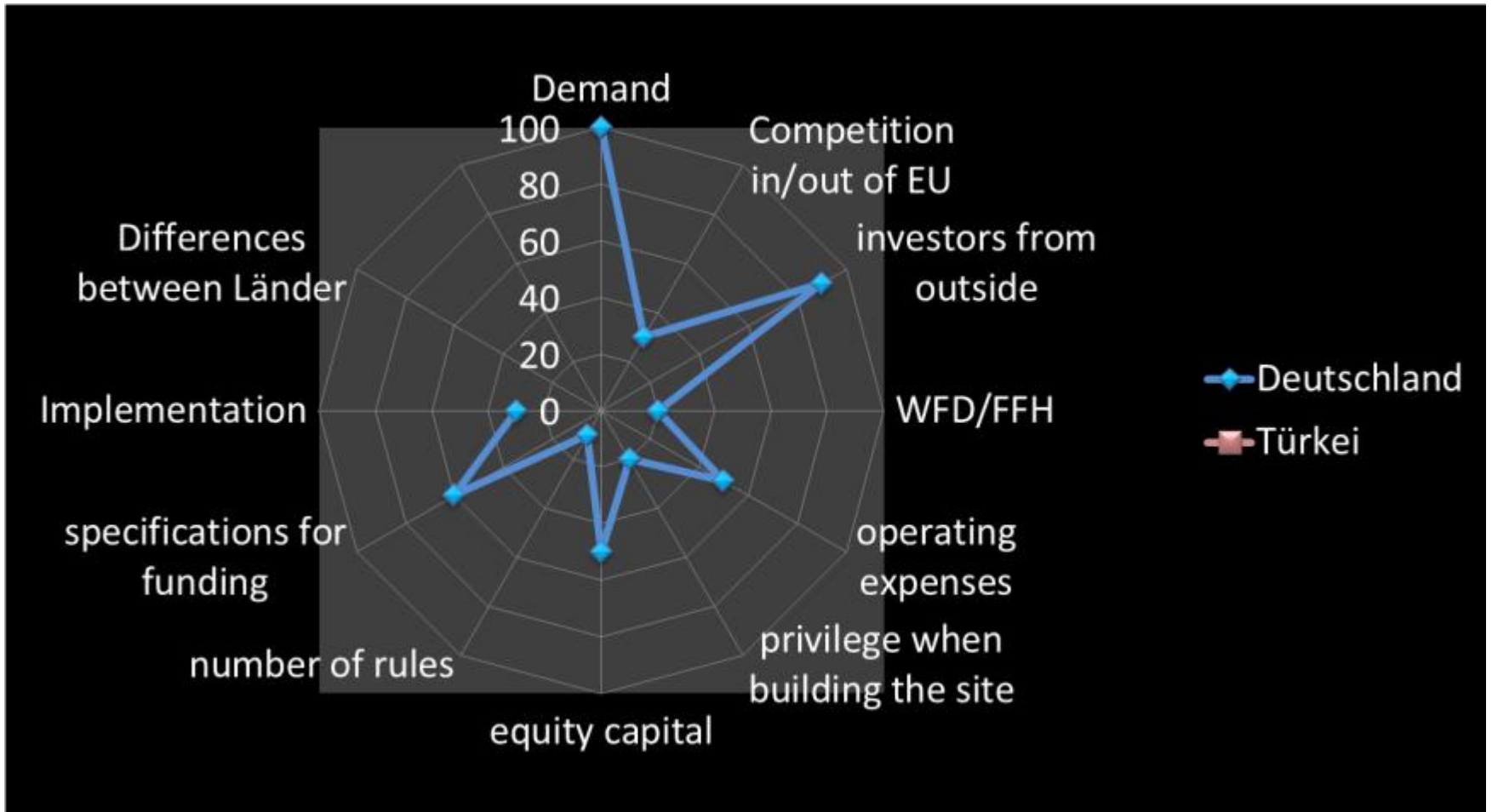


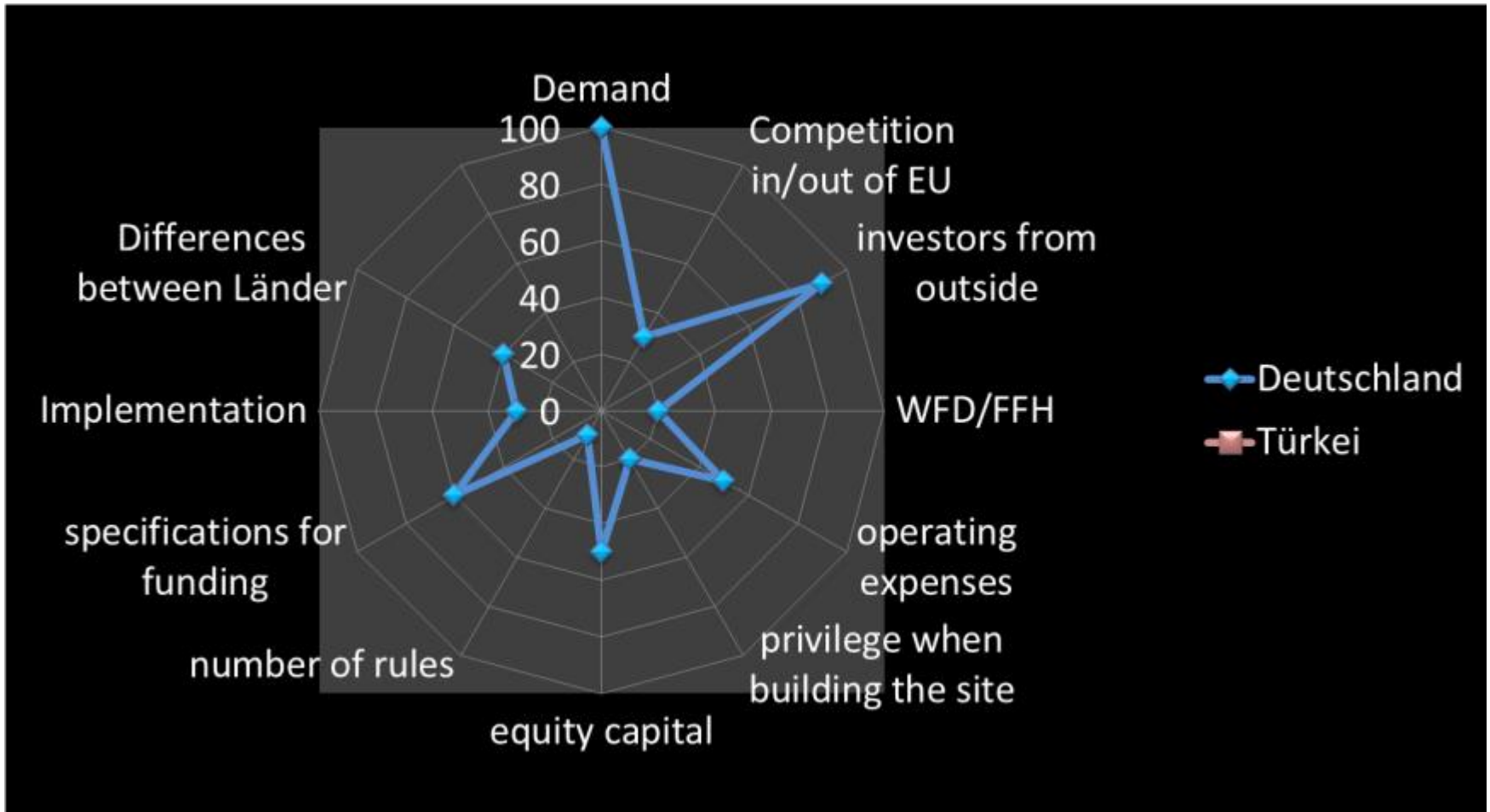


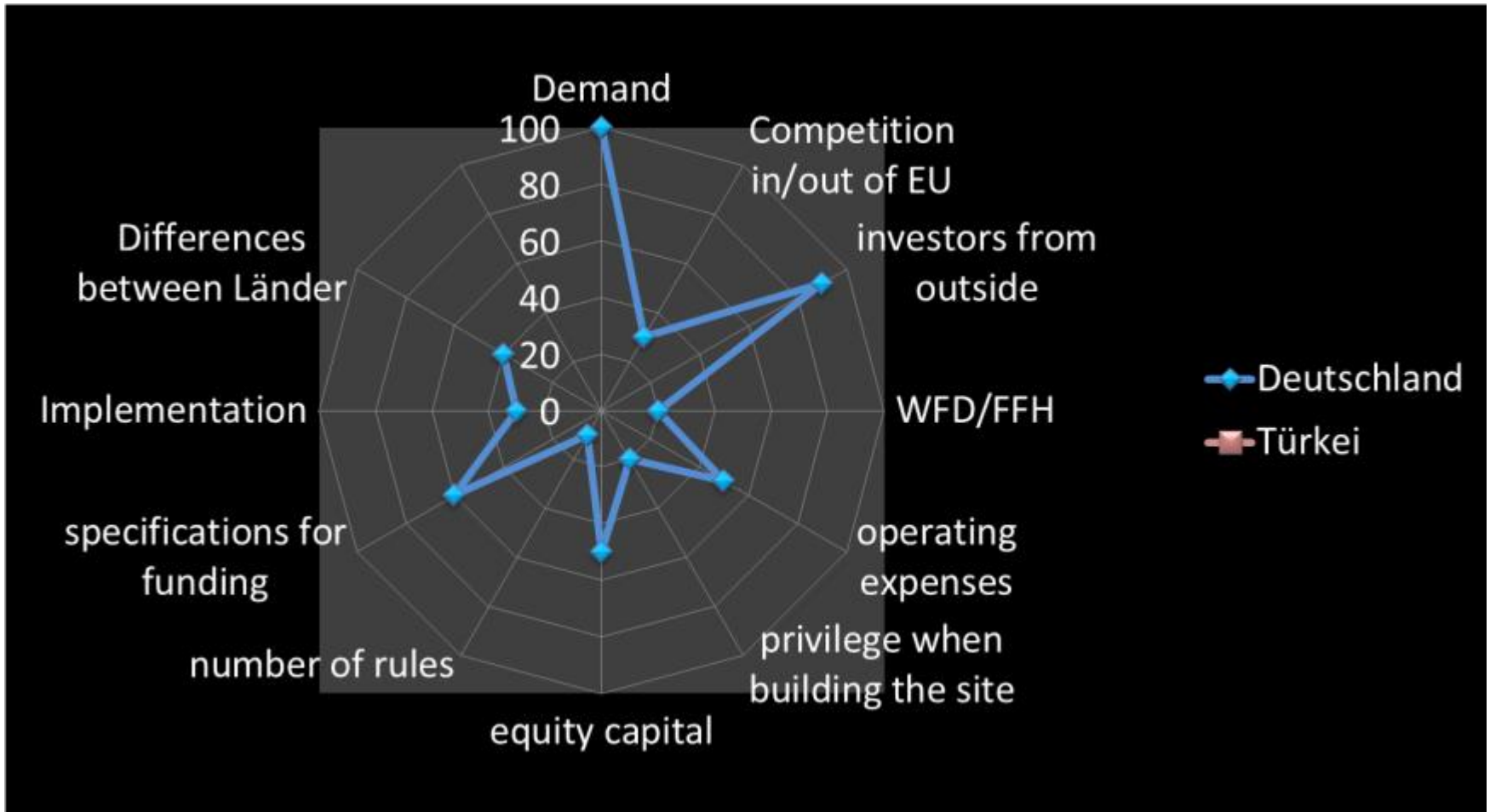


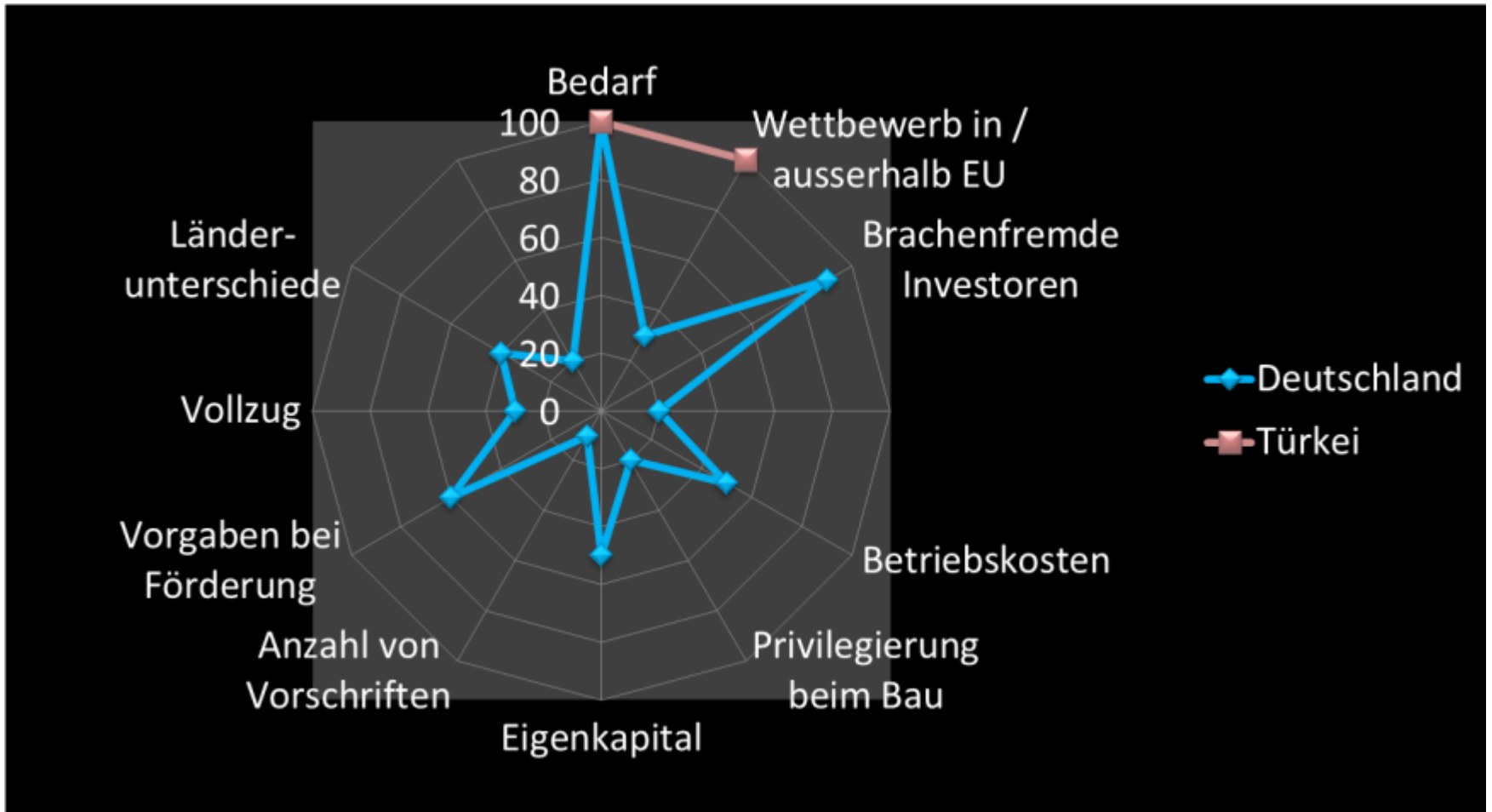


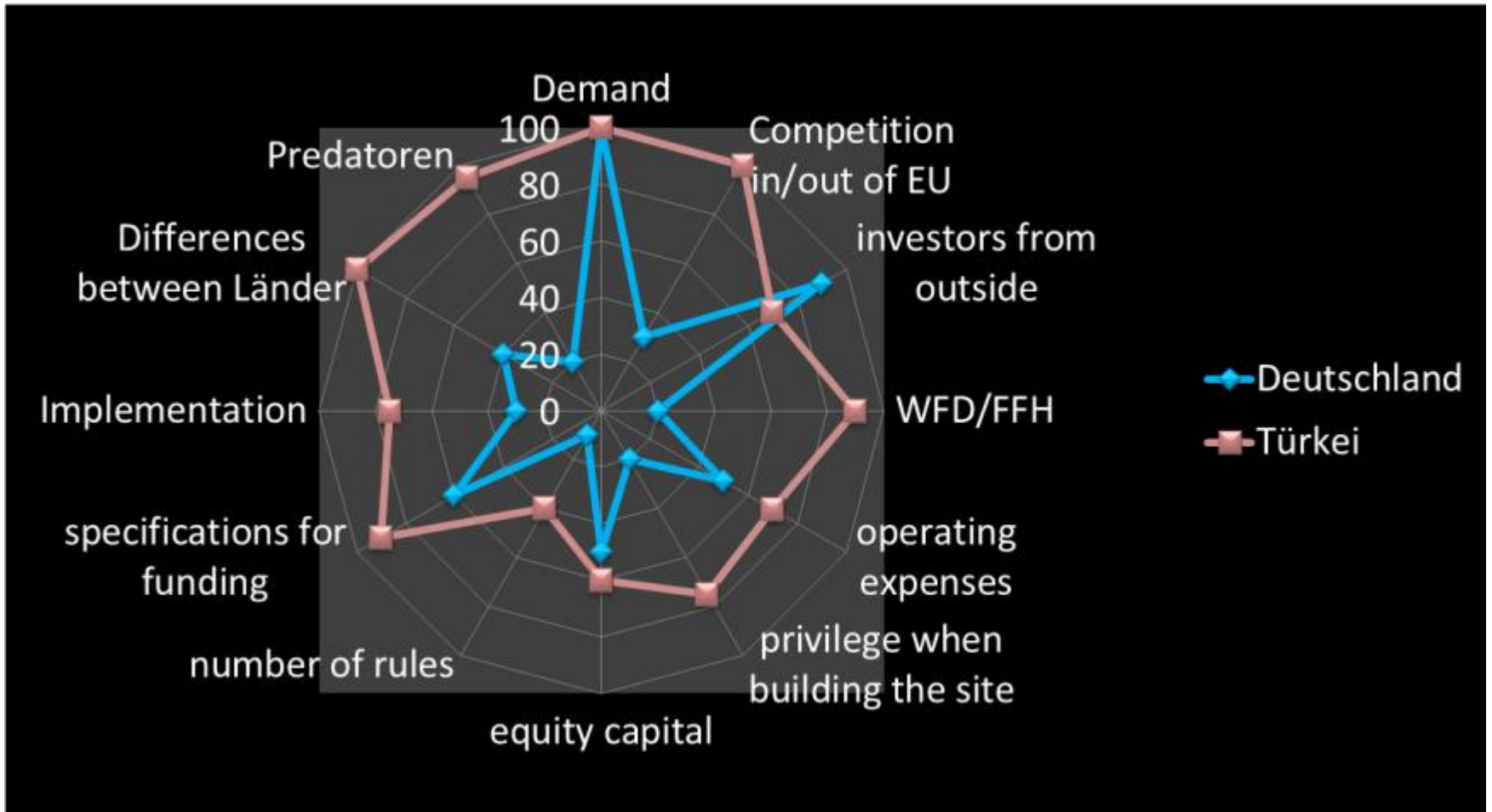


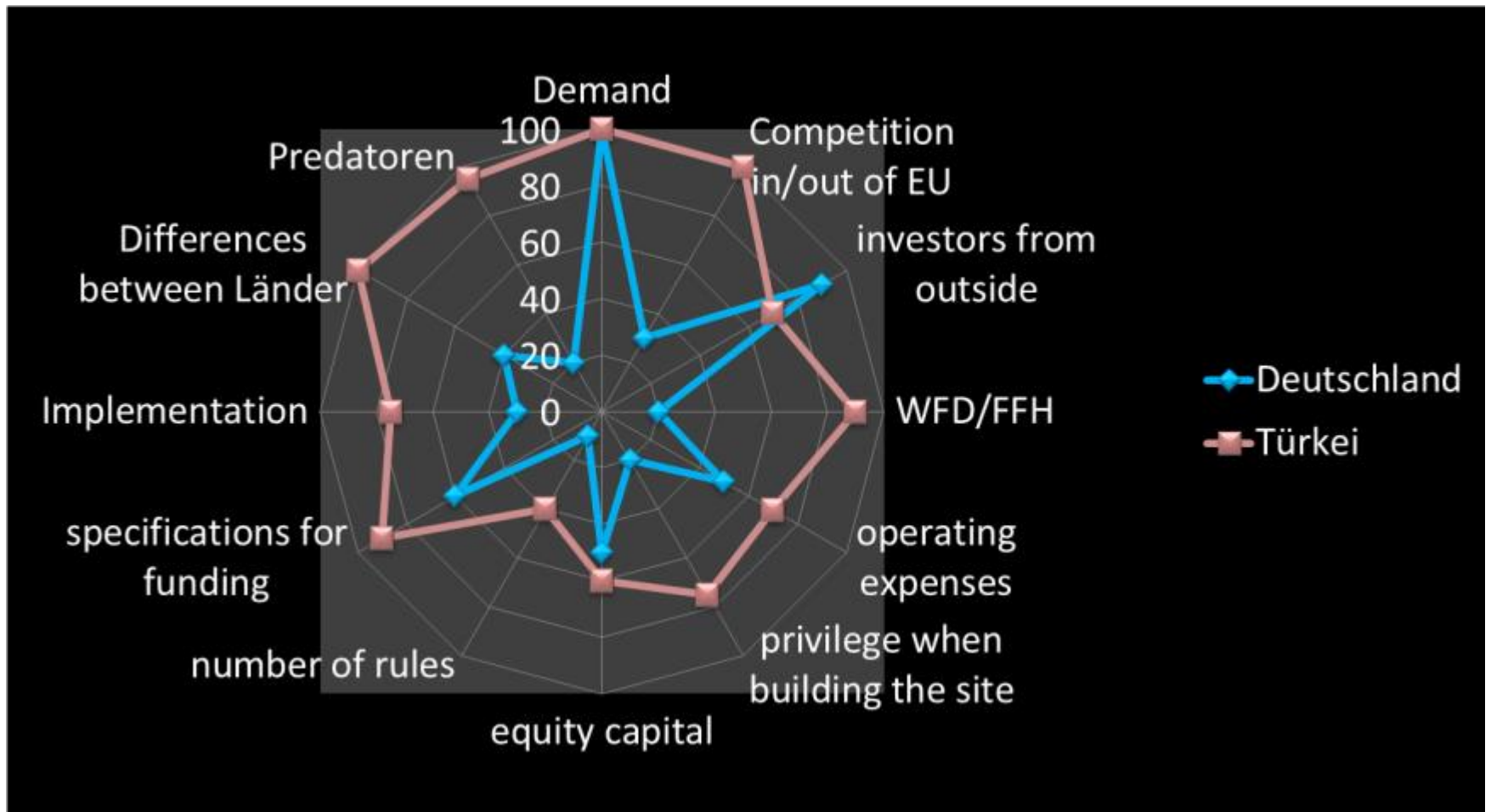


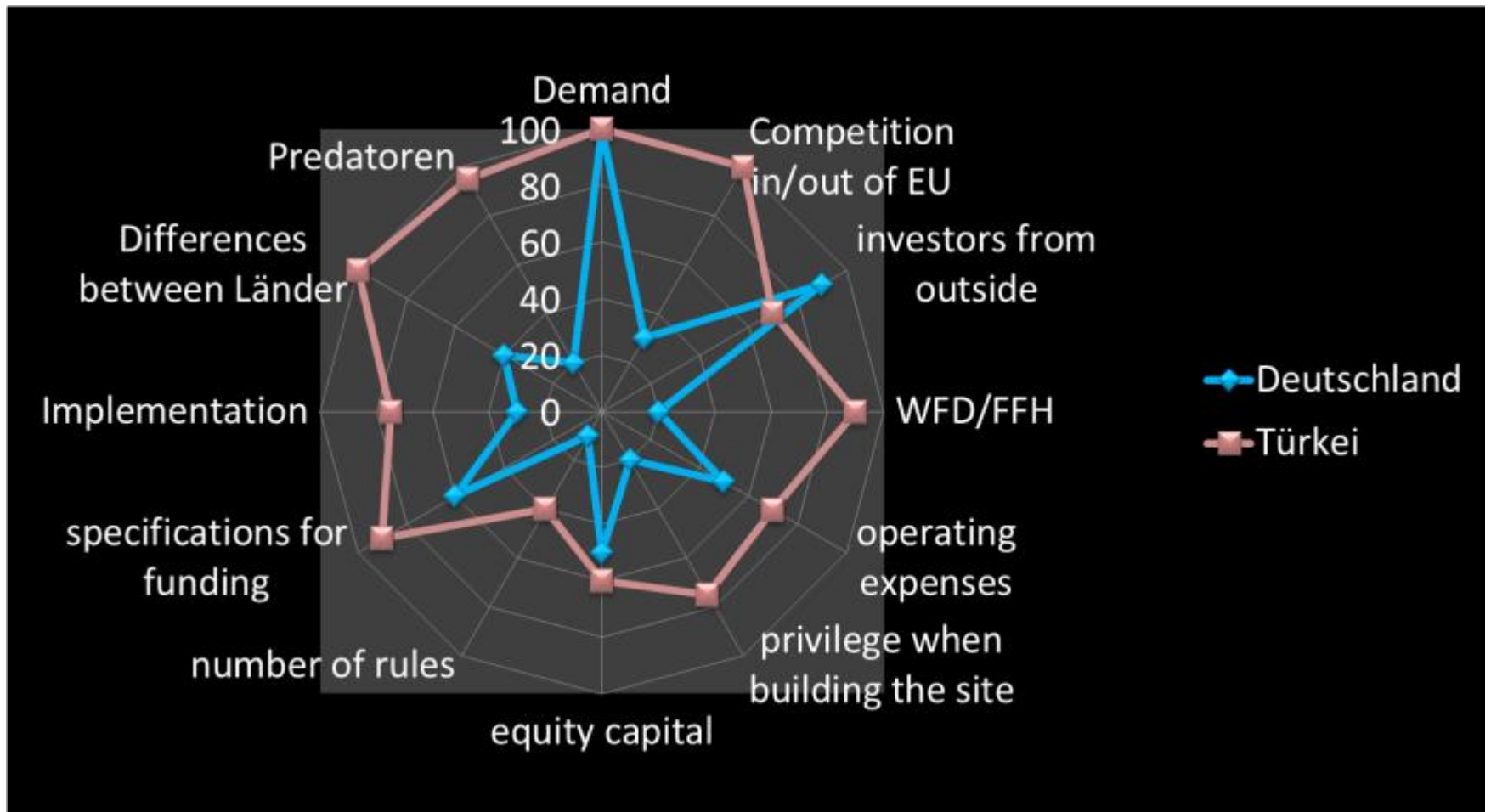












European Paradox

Europe sets higher standards for its producers than it requires for its market.

We produce at one standard but we consume at another.

European Parliament Hearing

Committee on Fisheries

March 2008

Vodnany Dec 2015

The silvestercarps are still singing
silent night..

The Future:

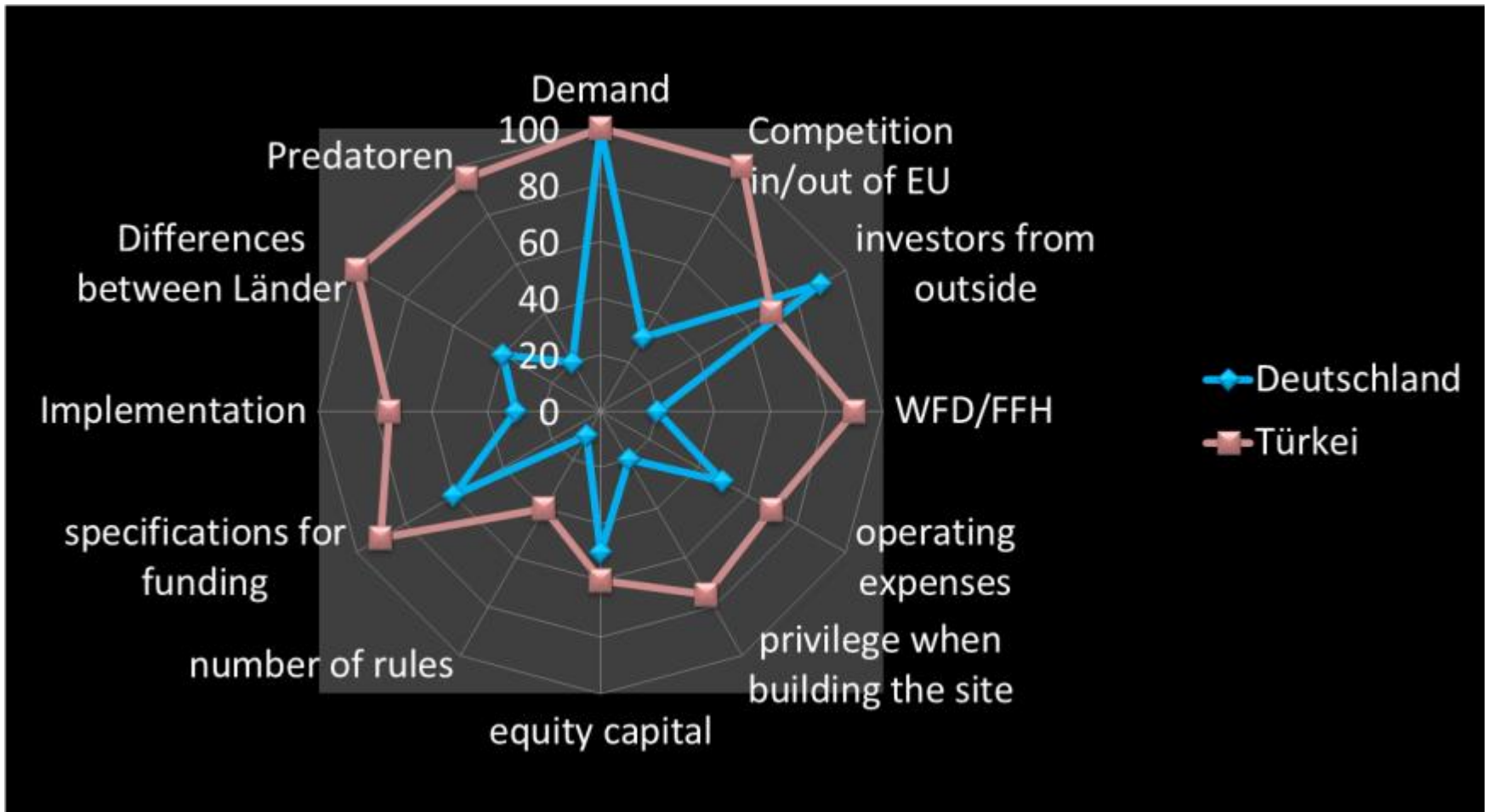


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The silvestercarps are still singing
silent night..

The Future:



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Yes



The Future:



Role of the FEAP



Provide a meeting ground for professionals

Debate issues of common importance

Decide on positions/actions to be taken

Communicate decisions and implement actions



What does the FEAP represent ?

- The Federation provides the conditions for **constructive debate** and the **identification of solutions**
- FEAP covers.
 - Continental Aquaculture (all freshwater)
 - Trout, Carps (cyprinids), Sturgeon & caviar
 - Northern Mariculture
 - Salmon, large trout, cod...
 - Southern Mariculture
 - Seabass, seabream, turbot

Different species, different technologies, different markets



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How does it work ?

- The Federation should provide the conditions for **constructive debate** and the **identification of solutions**
- FEAP covers:
 - **Continental Aquaculture (all freshwater)**
 - Trout, Carps (cyprinids), Sturgeon & caviar
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Different species, different technologies, different markets!!!



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FEAP Commissions

- SPECIES
 - Salmon-Large Trout – Cod
 - Portion Trout
 - Freshwater Pond farming
 - Sturgeon-Caviar
- OVERARCHING
 - Environment
 - Fish Health
- Min 2 MEETINGS/year
- ANNUAL GENERAL MEETING
 - Spring
 - PRESIDENTS' MEETING
 - Autumn
- RESOLUTIONS/DECISIONS
 - Prepared for communication



Consultation at European level

- From 1999, FEAP was a member of the ACFA - **EC Advisory Committee on Fisheries and Aquaculture**
 - The strong position of FEAP was recognised
 - Representatives were **professional farmers**
 - **Specific knowledge of sector & components**
 - **Access to National Associations & operators**
- **Inputs provided to other European bodies**



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Relationships in the European Union

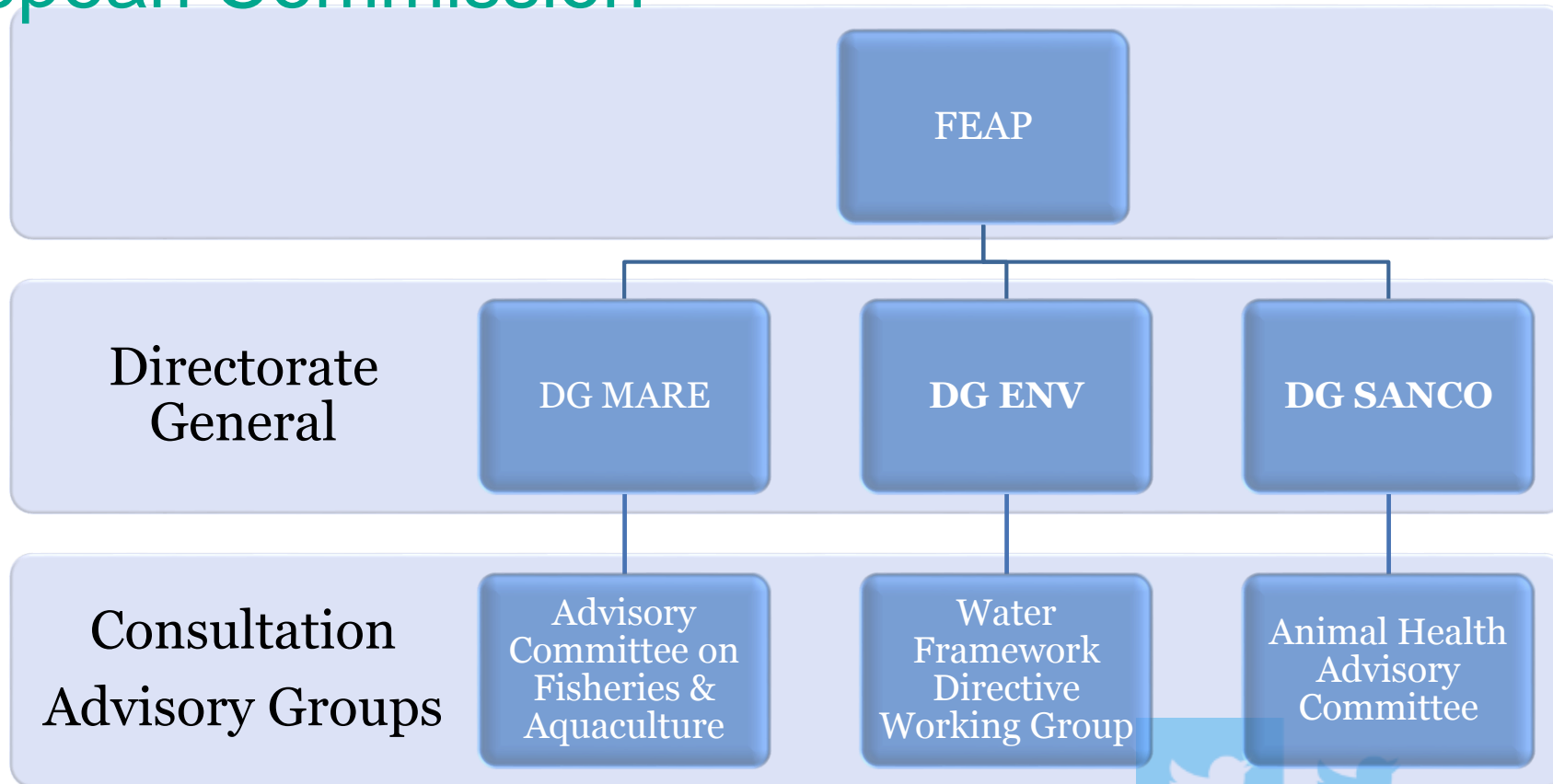


Core Consultative issues

- Aquaculture's role in the Common Fisheries Policy
 - Common Organisation of the Markets
 - EFF & EMFF financing for aquaculture
- Environmental Legislation (WFD, Natura 2000)
 - Fitness checks of current legislation
 - Cormorants and predation
 - Position of the European eel
- Fish Health Law
 - Availability of therapeutic agents
 - Welfare issues
- Labelling & Certification
 - Organic and Eco-labels
 - Product Environmental Footprint development



Main Relationships in the European Commission



Other relationships in the European Union

Council of Europe

- Expert meetings on fish welfare

O.E.C.D.

- Contributions to Workshops and position papers

Fed. Eur. Veterinarians

- Expert panels & Contributions

Fed. Compound Feed (FEFAC)

- Work on common interests



International Links

- **FAO**
 - **EIFAC** (inland aquaculture)
 - **GFCM** (Mediterranean aquaculture)
- **International Union for Conservation of Nature**
 - Cooperative actions on promotion of sustainable aquaculture
- **European Aquaculture Society**
 - Conferences and workshops
 - Support to projects



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FEAP contributions to

- The 'Strategic Guidelines for the Sustainable Development of European Aquaculture'
- Aquaculture's needs within
 - the Common Organisation of the Markets (COM)
 - The European Maritime and Fisheries Fund (EMFF)
- Recognition of the need for a 'level-playing field' for European aquaculture producers
- Creation of the Aquaculture Advisory Council (in progress)
- Consultations on European legislation & fitness checks
- Aquaculture's position within the Bioeconomy
 - Bioeconomy panel of DG Research



FEAP Initiatives

For the promotion and benefit
of the European fish farming
profession



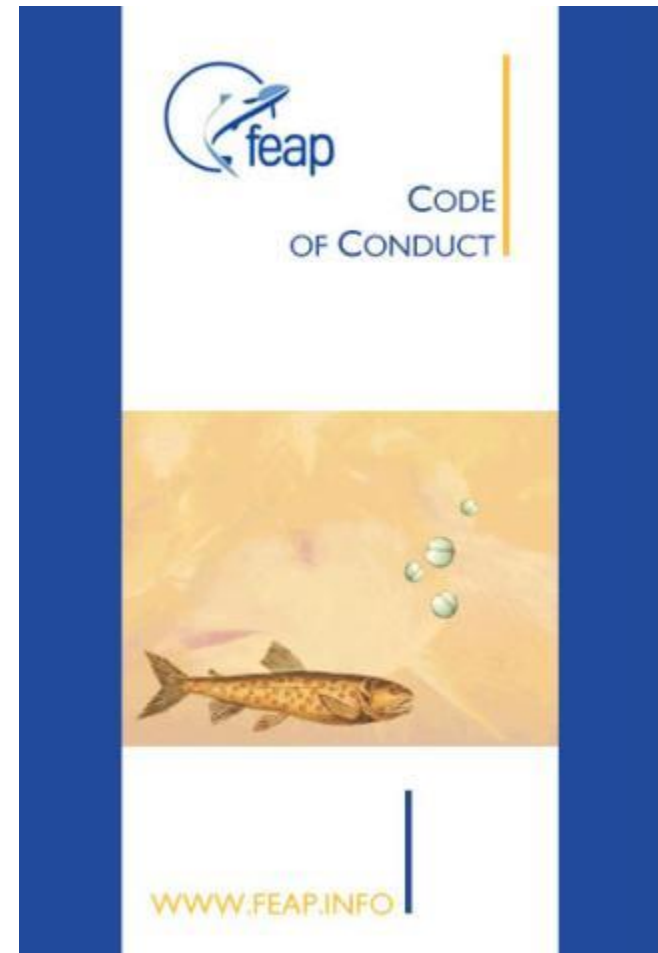
‘Aquaculture in Motion’

- Annual conference designed to highlight European Aquaculture
- Positive and transparent approach, covering
 - Boosting the development of European Aquaculture
 - Moving European Aquaculture forward – Sustainable Strategies
 - Confidence in Culture
- A proactive and increasingly important event for the profession



Code of Conduct for European Aquaculture

- Developed in 2000
- Demonstrated foresight & commitment of the profession
- Still a reference document today
- Integral to the Code of Conduct of the ACFA



Communication tools

- **Aquamedia**
 - FEAP agreed that sector needed ‘public’ promotion
 - Integrated into www.feap.info
 - A virtual tour of fish farms in Europe
 - Still in use today



Active in Research - Dissemination

- **'AQUAFLOW'** – (1997 & 2000)
- **'PROFET'** Workshops (2003-4)
- **'PISCES'** – information on aquaculture
- **'PROFET POLICY'**- dissemination
- **'ORION'** – distance learning
- **'AQUAINNOVATION'** – technology transfer
- **'WAVE'** (2004-5), **'VALLA'** – vocational recognition in aquaculture
- **'CONSENSUS'** – sustainability indicators & guidelines
- **'AQUAETREAT'** – waste treatment and use (Guidelines)
- **'AQUAMAX'** –functional feed ingredients
- **'FINEFISH'** – fry deformities (guidelines)



Active in creation of EATiP

- **First multi-stakeholder forum for European aquaculture**
- **FEAP representatives active in its creation**
 - Provisional Board
 - Preparation of statutes, registration
- **Secretariat managed through FEAP**
- **Coordination of 'Aquainnova'**
 - Future of European Aquaculture
 - Vision & Strategic Research Agenda
- **Recognised as a European Technology Platform in 2013**
 - A trusted adviser for HORIZON 2020



Annual Report (2012-)

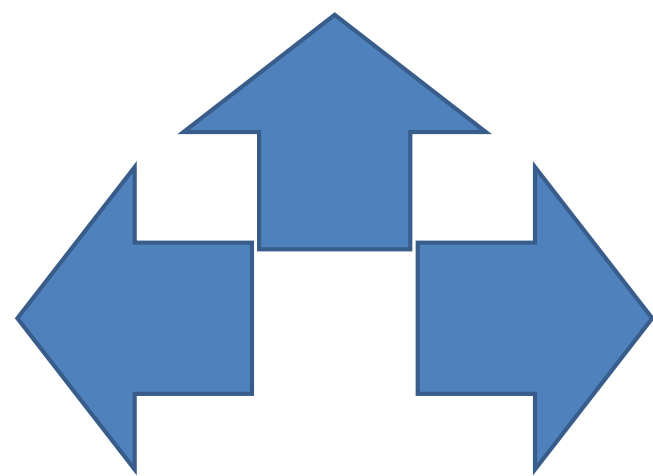


An overview of FEAP and European fish farming

- Position and Issues affecting European Aquaculture
- Facts & Figures
- Association information
- FEAP's priorities
- FEAP's activities



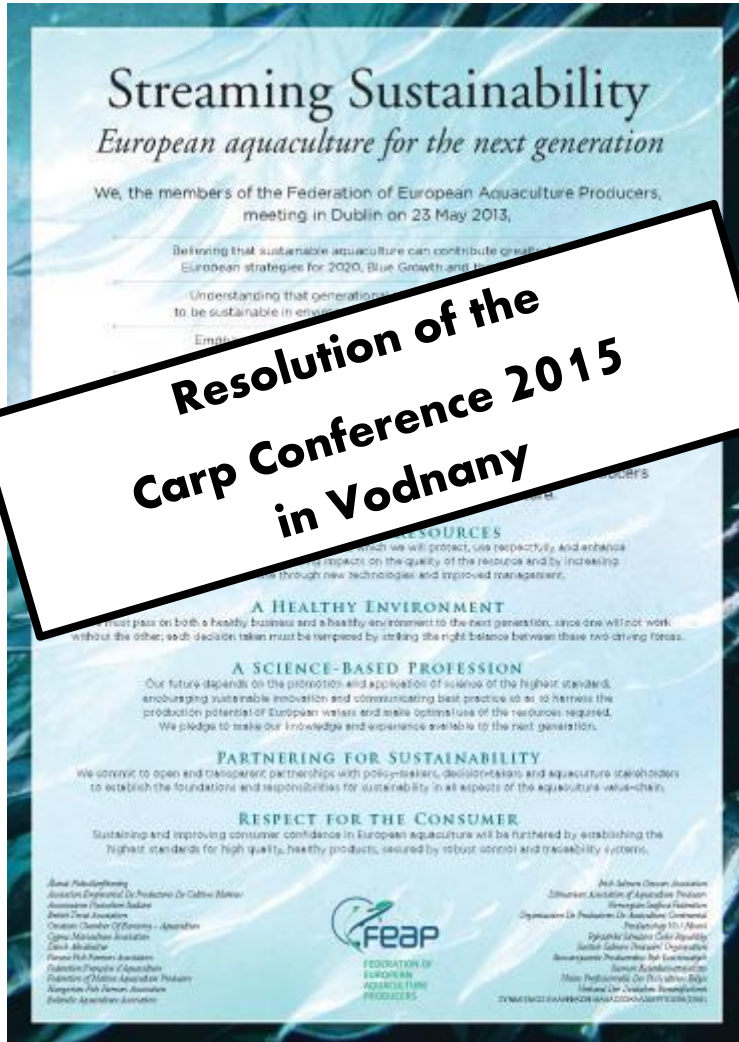
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Trilog since Lissabon



The Dublin Declaration ‘Streaming Sustainability’



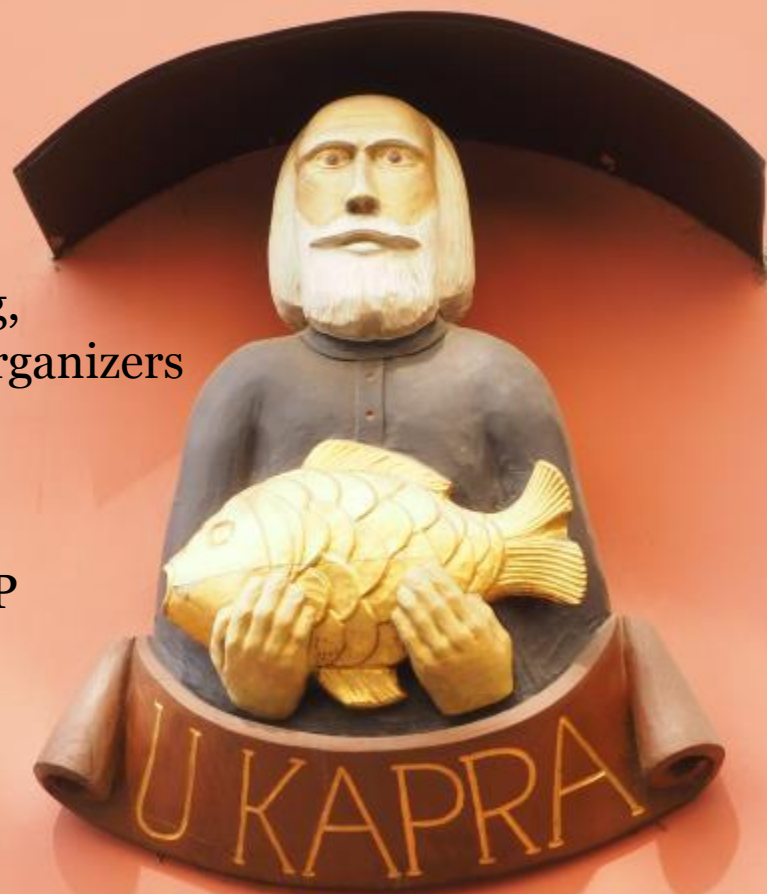
Principles and Guidelines for passing aquaculture on to the next generation

Exemplified in ‘Schools Project of ‘Farmed in the EU’



a good spirit,
a successful meeting,
and thanks to the organizers
in Vodnany!

Bernhard Feneis.
Vice president FEAP





'Award for Excellence in European Aquaculture



Baron Charles de Fierlant Dormer
(Belgium)

Randolph Richards (UK)

Jean-Jacques Sabaut (France)

Lázaro Rosa Jordán (Spain)

Constantin Vamvakas (Greece)

Tore Håstein (Norway)

Bjorn Myrseth (Norway)

Yvette White (France)

Zelimir Filic (Croatia)



Conclusion

“FEAP’s unique position is dependent on the quality of its member Associations, their delegates and their mutual friendship”

Charles de Fierlant
Dormer - 1995

- European aquaculture faces many challenges
- After 46 years, many new activities and actions but the objectives stay the same
- FEAP is run by professionals for the profession



Bernhard Feneis
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