Horizon 2020
European Research Council

Aslı VURAL

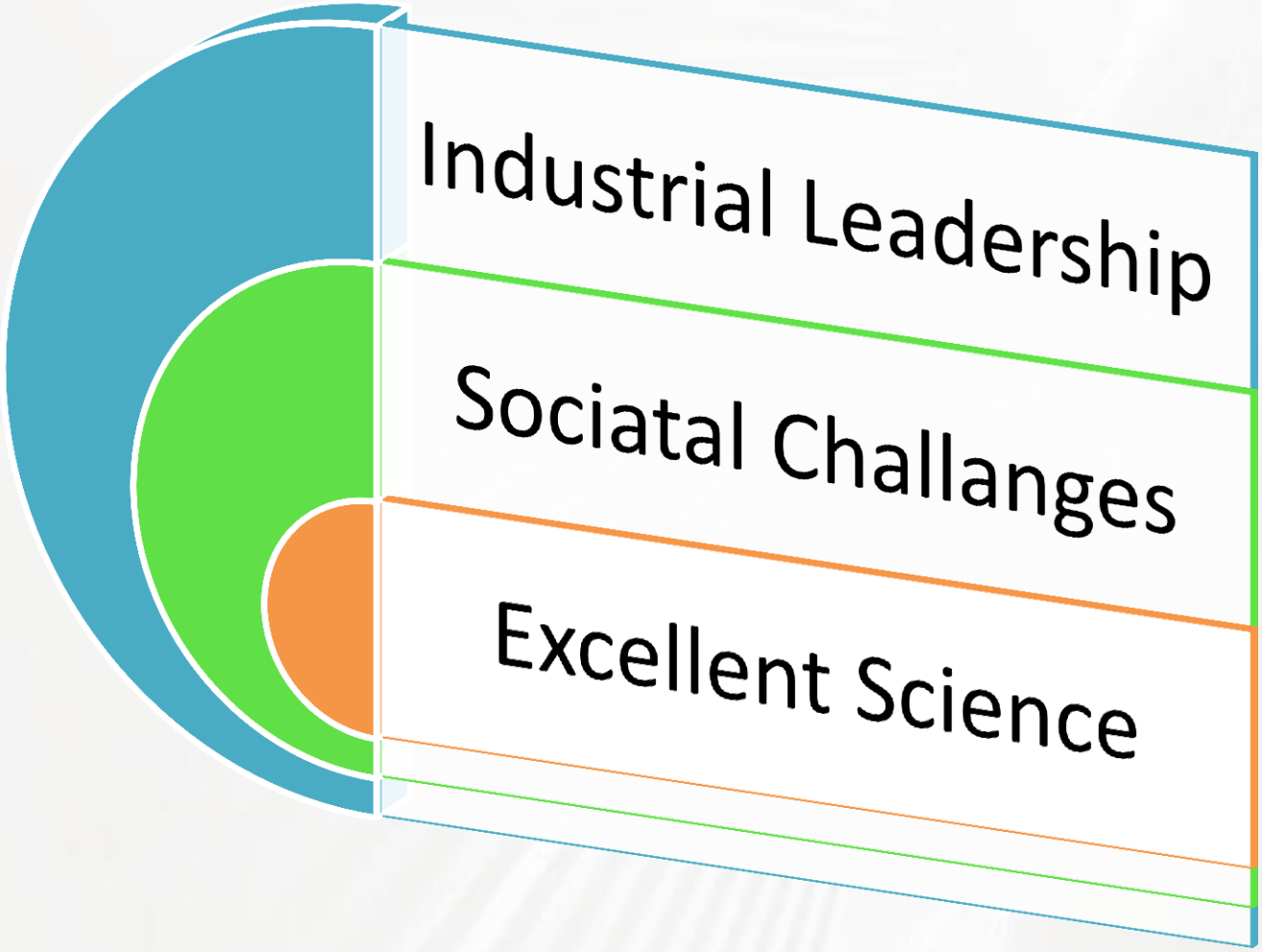
ERC National Contact Point

TÜBİTAK EU Framework Programmes
National Coordination Office

What is Horizon 2020?

- Biggest EU Programme for 79 billion € research and innovation funding (2014-2020)
- A core part of Europe 2020, Innovation Union
- European Research Area:
  - **Responding to the economic crisis** to invest in future jobs and growth
  - **Addressing peoples' concerns** about their livelihoods, safety and environment.
  - **Strengthening the EU's global position** in research, innovation and technology

What is in Horizon 2020?



Horizon 2020: Excellent Science

TÜBİTAK

Why:

- World class science is the foundation of tomorrow's technologies, jobs and wellbeing
- Europe needs to develop, attract and retain research talent
- Researchers need access to the best infrastructures

Excellent Science

The European Research Council (ERC) will provide attractive and flexible funding to enable talented and creative individual researchers and their teams to pursue the most promising avenues at the frontier of science, on the basis of Union-wide competition.

Future and emerging technologies (FET) will support collaborative research in order to extend Europe's capacity for advanced and paradigm-changing innovation. They will foster scientific collaboration across disciplines on radically new, high-risk ideas and accelerate development of the most promising emerging areas of science and technology as well as the Union-wide structuring of the corresponding scientific communities.

Marie Skłodowska-Curie Actions (MSCA) will provide excellent and innovative research training as well as attractive career and knowledge-exchange opportunities through cross-border and cross-sector mobility of researchers to best prepare them to face current and future societal challenges.

Research infrastructure (including e-infrastructures) will develop European research infrastructure for 2020 and beyond, foster their innovation potential and human capital, and complement this with the related Union policy and international cooperation.

European Research Council

A New European Funding Mechanism

Frontier researh

New Institution

European Research Council (2007)

New structure

Scientific Council

Executive Agency

TÜBİTAK

What is Frontier Research?

“Today the distinction between **'basic'** and **'applied'** research has become blurred, due to the fact that emerging areas of science and technology often cover substantial elements of both.

As a result, the term **'frontier research'** was coined for ERC activities since they will be directed towards fundamental advances at and beyond the 'frontier' of knowledge.”

Characteristics:

- Stands at the forefront of creating new knowledge
- Risky endeavour
- No disciplinary boundaries

TÜBİTAK

What are the main ERC principles?

- 1 researcher; 1 host institution; 1 project; 1 selection criterion: scientific excellence
- No consortia, no networks, no co-financing
- Applications can be made in any field of research, including social sciences and humanities
- Independent researchers from anywhere in the world, of any age and career stage can apply
- Host institutions must provide conditions for the researcher to direct the research and manage its funding
- The grant is 'portable' to another host institution, if the grantholder wishes so
- Research must be carried out in one of the 28 EU member states or associated countries

ERC Funding Mechanism

TÜBİTAK

Starting Grant

Young researchers
(first phD received 2-7 years ago)
Max. 1.5 million € (for 5 years)
+ max.0.5 million €*

Consolidator Grant

consolidators
(first phD received 7-12 years ago)
Max. 2 million € (for 5 years)
+ max.0.75 million €*

Advanced Grant

track-record of significant research achievements in the last 10 years
Max. 2.5 million € (for 5 years)
+ max. 1 million €*

?

Synergy Grants

2 – 4 Principal Investigators
up to € 15.0 Mio for 6 years

Proof-of-Concept

bridging gap between research - earliest stage of marketable innovation
up to €150,000 for ERC grant holders

* for start-up, major equipment, access to large infrastructues

ERC – Funding

	Max. Funding (m €)	Max.Additional fund (m €)	Min. Time Commitment	Max. Duration (year)
Starting Grant	1,5	0,5	50%	5
Consolidator Grant	2	0,75	40%	5
Advanced Grant	2,5	1	30%	5
?Synergy Grant	15	-	-	6

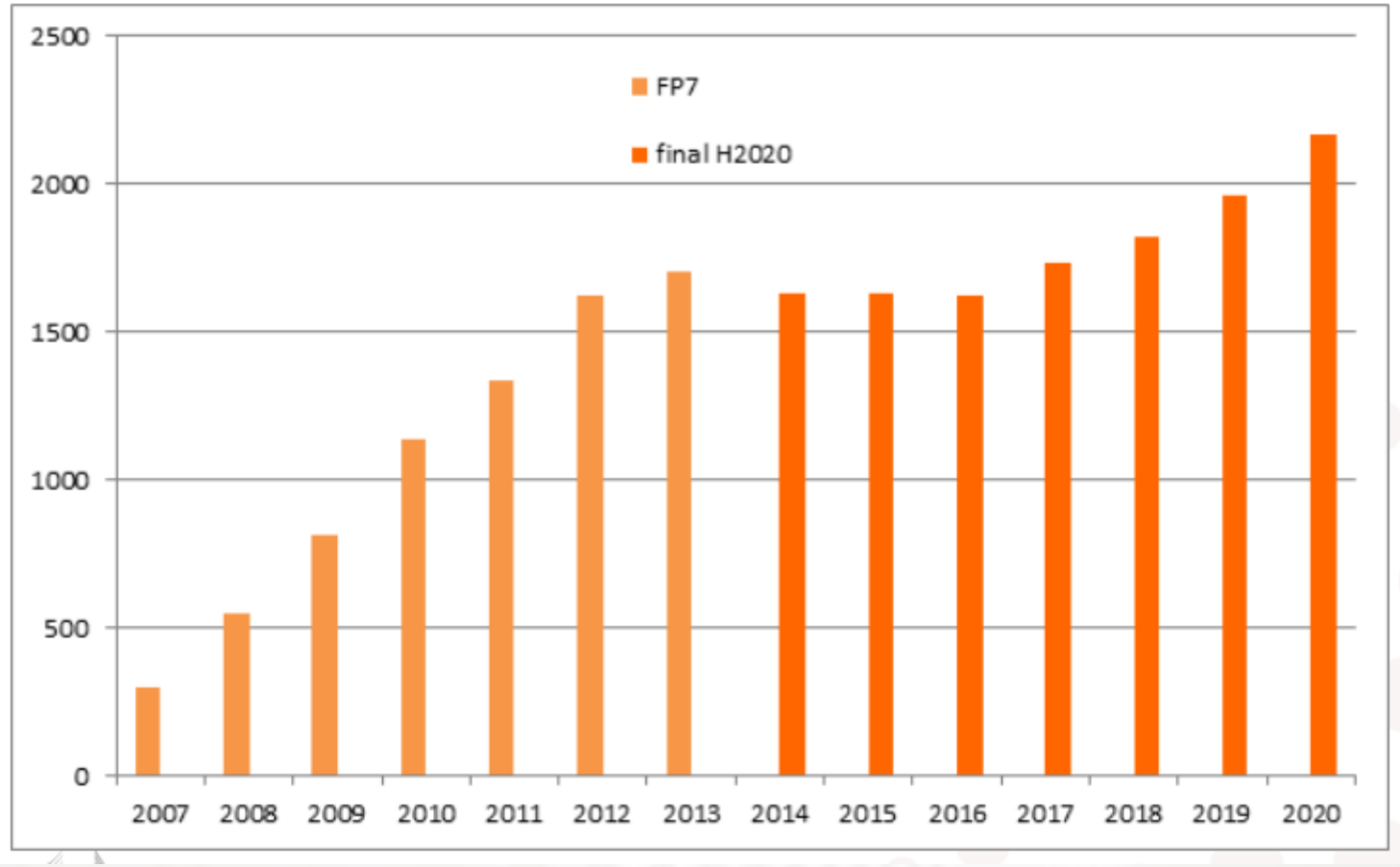
Funding rate **100%**

25% of the budget should be devoted to overhead

H2020: ERC 2015 call calender

	Starting Grant	*Consolidator Grant*	*Advanced Grant*	*Proof of Concept Grant*
Call identifier	**ERC-2015-StG**	**ERC-2015-CoG**	**ERC-2015-AdG**	**ERC-2015-PoC**
Call Opens	7 October 2014	13 November 2014	10 February 2015	7 November 2014
Deadline(s)	3 February 2015	12 March 2015	2 June 2015	5 February 2015 28 May 2015 1 October 2015
Budget million EUR (estimated number of grants)	430 (330)	585 (330)	630 (280)	20 (130)
Planned dates to inform applicants	7 July 2015 12 November 2015	6 August 2015 20 January 2016	18 November 2015 16 March 2016	1 May 2015 1 October 2015
				31 January 2016
Indicative date for signature of grant agreements	12 March 2016	20 May 2016	16 July 2016	5 September 2015 1 February 2016 31 May 2016

Budget of ERC



Statistics: ERC General

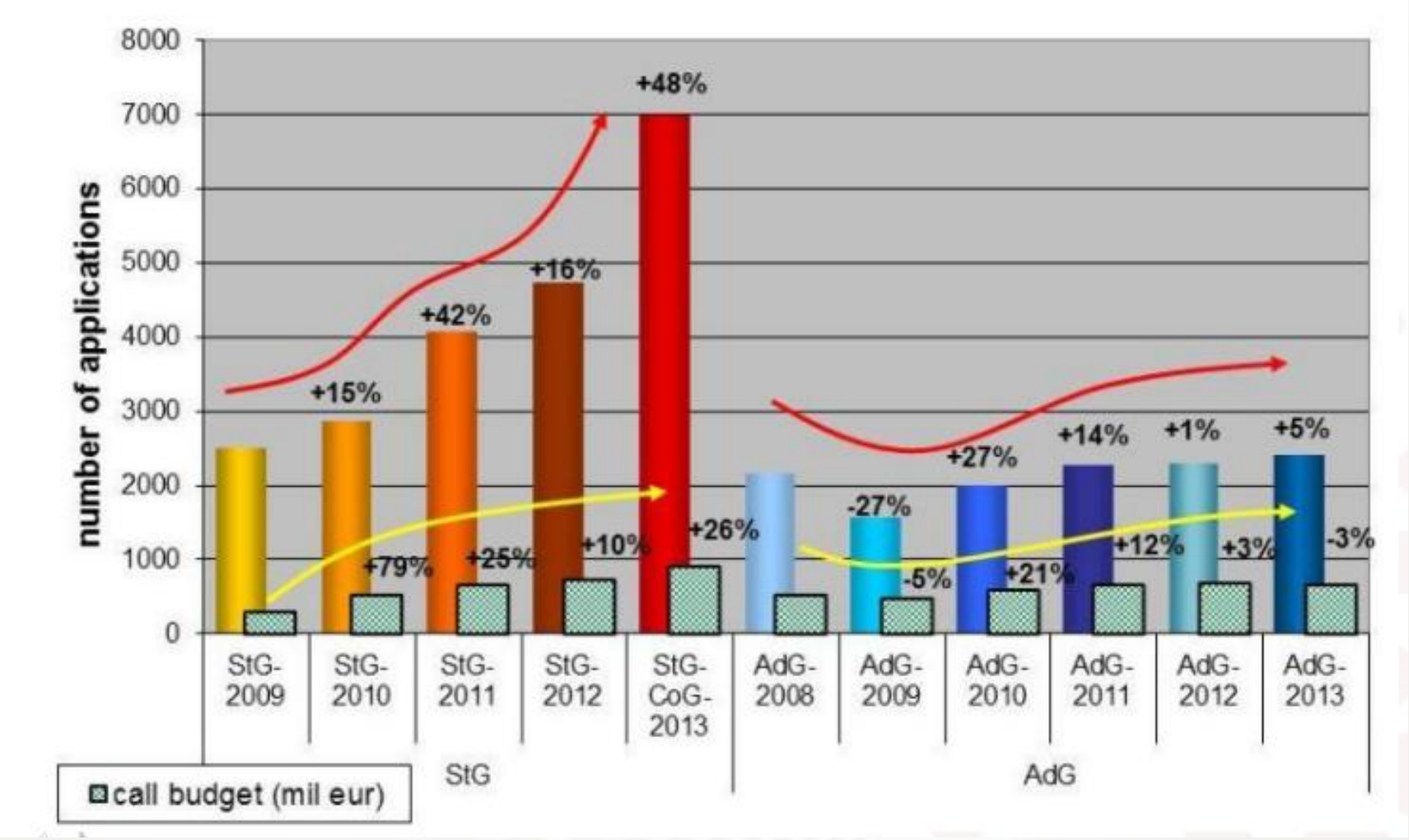
TÜBİTAK

ERC Calls	Total number of applications	of which		
		Evaluated*	Funded	success rates**
Starting Grant 2007	9,167	8,787	299	3.4
Starting Grant 2009	2,503	2,392	245	10.2
Starting Grant 2010	2,873	2,767	436	15.8
Starting Grant 2011	4,080	4,005	486	12.1
Starting Grant 2012	4,741	4,652	566	12.2
Starting Grant 2013	3,329	3,255	300	9.2
Consolidator Grant 2013	3,673	3,604	311	8.6
Starting and Consolidator Grant	**30,366**	**29,462**	**2,643**	**10.2**
Advanced Grant 2008	2,167	2,034	282	13.9
Advanced Grant 2009	1,584	1,526	245	16.1
Advanced Grant 2010	2,009	1,967	271	13.8
Advanced Grant 2011	2,284	2,245	301	13.4
Advanced Grant 2012	2,304	2,269	319	14.1
Advanced Grant 2013	2,408	2,363	290	12.3
Advanced Grant	**12,756**	**12,404**	**1,708**	**13.9**
Proof of Concept 2011 - 1&2	151	139	51	36.7
Proof of Concept 2012 - 1&2	143	120	60	50.0
Proof of Concept 2013 - 1&2	292	279	67	24.0
Proof of Concept	**586**	**538**	**178**	**36.9**
Synergy Grant 2012	**710**	**697**	**11**	**1.6**
Synergy Grant 2013	**449**	**427**	**13**	**3.0**

* withdrawn and ineligible proposals not taken into account

** percentage of funded proposals in relation to evaluated proposals

Statistics: Raising Applications



More restrictions on re-submissions in H2020

Facts and Figures

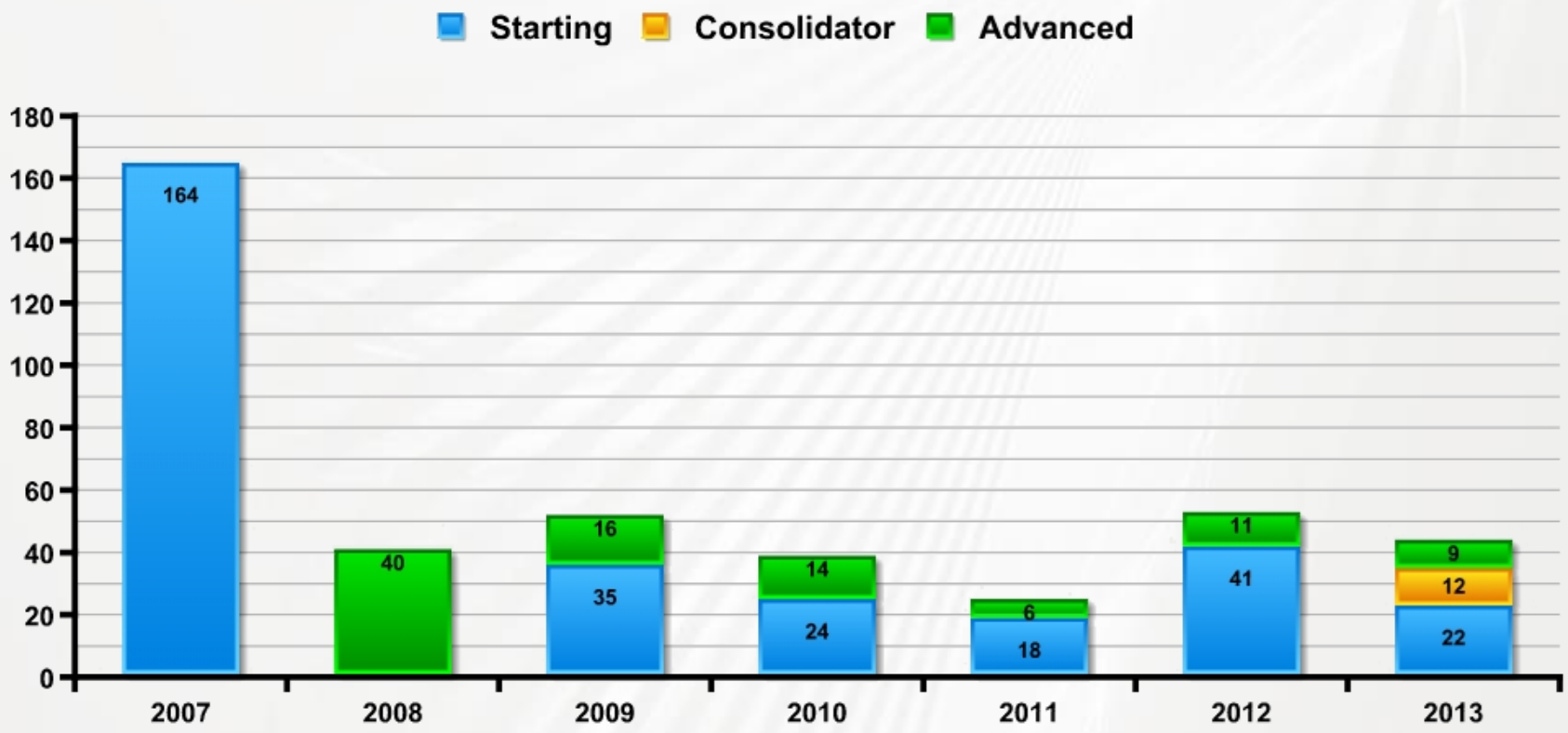
TÜBİTAK

- Recognized by research community
- The ERC represents **17% of the overall Horizon 2020 budget**
- Since 2007, some **4,500 projects** have been selected for funding from more than **43,000 applications**
- The ERC counts **eight Nobel laureates** and **three Fields Medalists** among its grant holders
- Over **20,000 articles** acknowledging ERC-funding have appeared in peer-reviewed high impact journals between 2008 and 2013
- Each ERC grantee employs on average **six team members**, thus contributing to train **a new generation of excellent researchers**.
- Under **Horizon 2020**, it is estimated that around **7,000 grantees** will be funded and **42,000 team members** supported, offering cutting-edge research training for nearly **11,000 doctoral students** and almost **16,000 postdoctoral researchers**.

Statistics: Turkey's participation in ERC

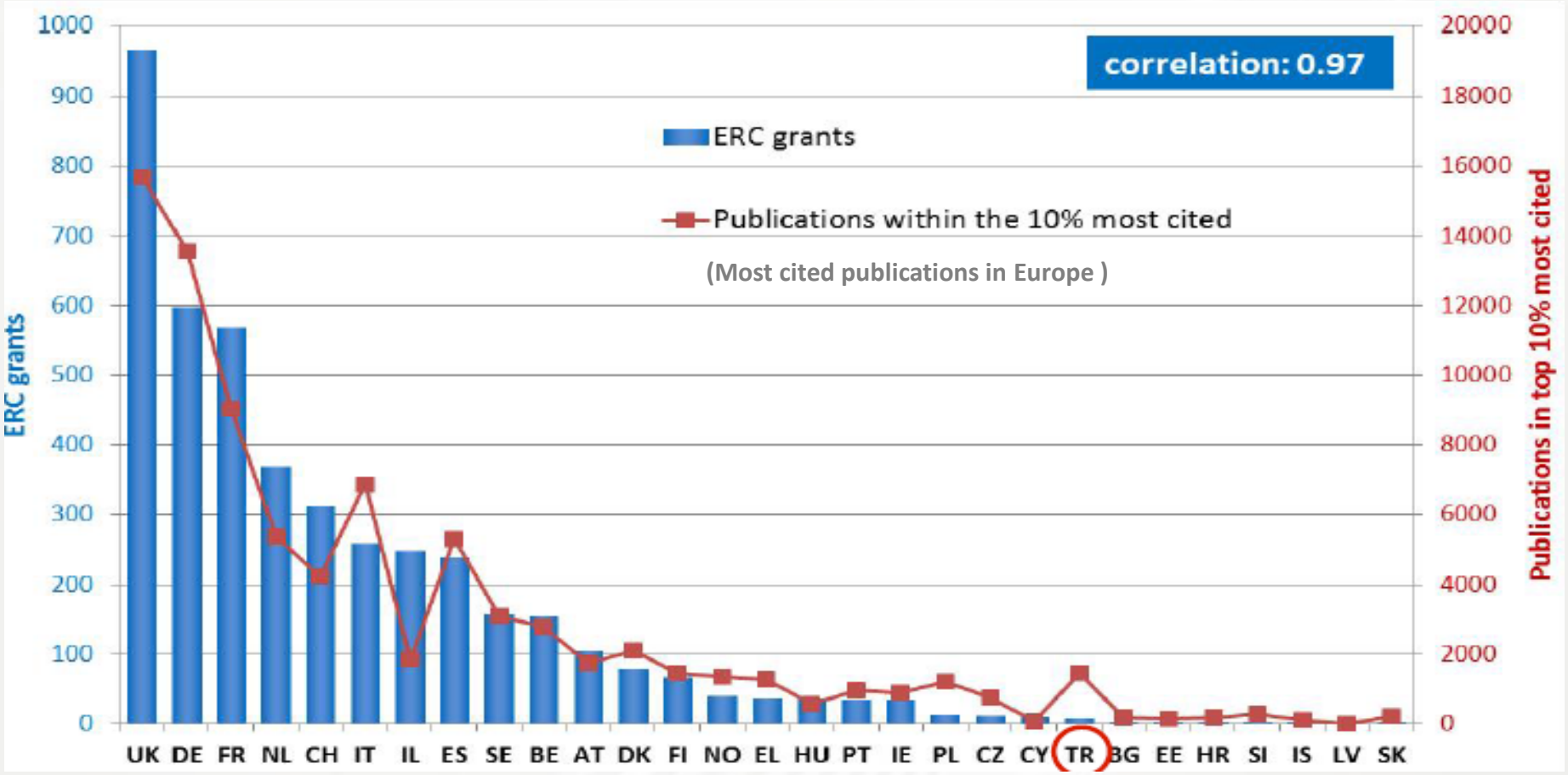
TÜBİTAK

Since 2007 → 412 ERC Grant Applications, 6 ERC Grants, 11,3 million €



ERC Funded Projects and Correlation With Publications

There is a high potential to increase Turkey's ERC participation



Src: ERC

TÜBİTAK

ERC funding schemes

Profile of the ERC Starting/Consolidator Grant Principal investigator

- First PhD at least **2-7 / 7-12 years** prior to the publication date of the call for proposals
- Potential for research independence and evidence of maturity: **at least one/several** important publication without the participation of their PhD supervisor
- Early achievements track record: Publications in major international peer-reviewed multi-disciplinary scientific journals, prizes and awards, granted patent, invited presentations to internationally established conferences etc.
- a minimum 50%/40% of their total working time on the ERC project and a minimum of 50% of their total working time in Turkey

ERC – Advanced Grant

Profile of the ERC Advanced Grant Principal Investigator?

- Exceptional leaders and mentors
- Track-record of significant research achievements in the last 10 years
- At least one of the following benchmarks:
  - 10 publications as senior author in major scientific journals
  - 3 major research monograhps
- Other alternative benchmarks:
  - 5 granted patents
  - 10 invited presentations at international conferences and advanced schools
  - 3 research expeditions lead by the PI
  - 3 international conferences where PI was an organiser
  - International prizes/awards
  - Major contriution to the careers of outstanding researchers
  - Recognized leadership in industry
- a minimum **30%** of their total working time on the ERC project and a minimum of **50%** of their total working time in Turkey

Extension of Eligibility Window for all ERC Grants

- For **maternity**, the effective elapsed time since the award of the first PhD will be considered reduced by 18 months for each child born before or after the PhD award.
- For **paternity**, the effective elapsed time since the award of the first PhD will be considered reduced by the actual amount of paternity leave taken for each child born before or after the PhD award.
- For **long-term illness** (over ninety days), **clinical training** or **national service** the effective elapsed time since the award of the first PhD will be considered reduced by the actual amount of leave taken for each incident which occurred after the PhD award.

ERC Analysis

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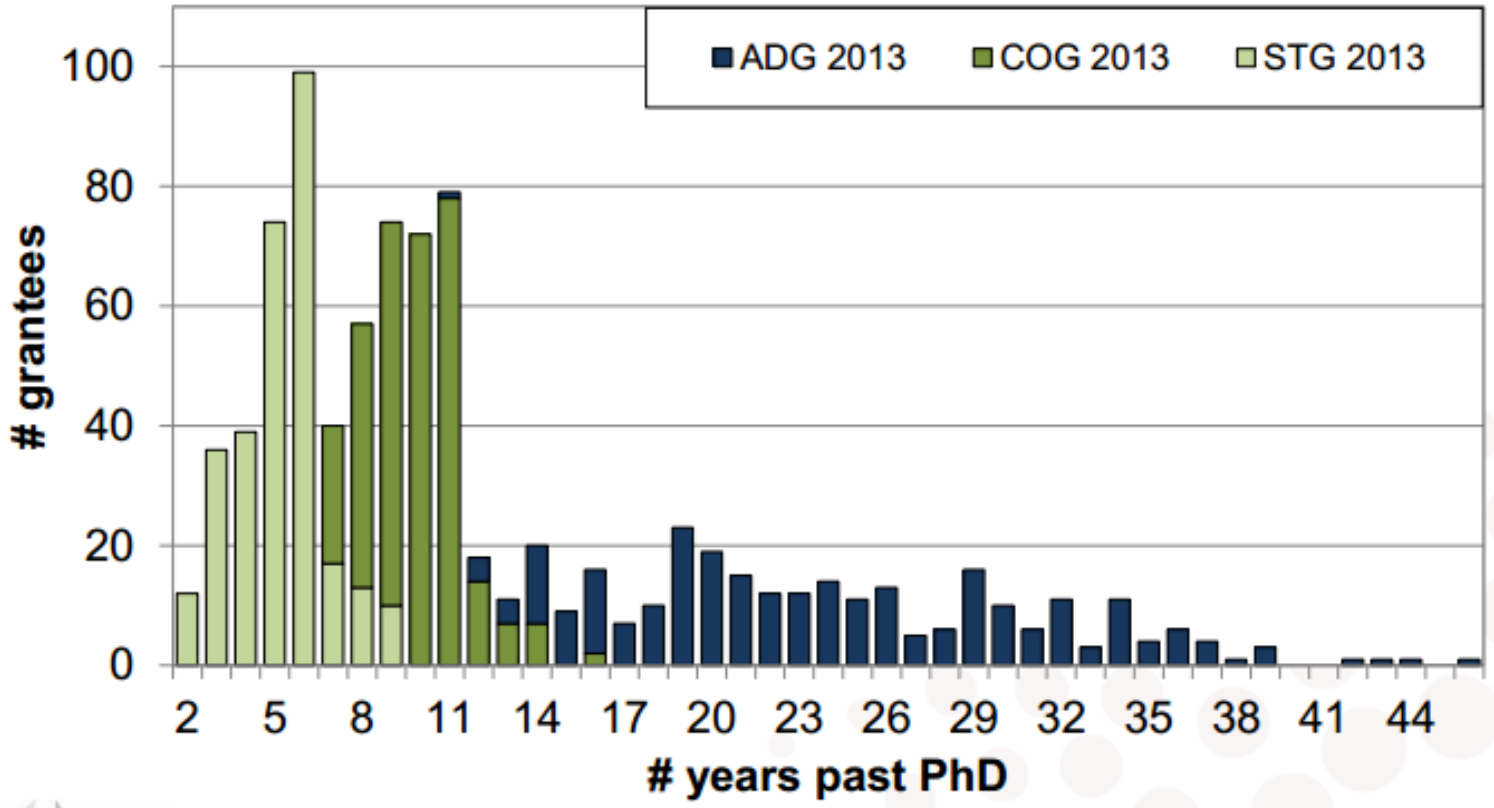
ERC STG COG ADG 2013

Grantees : years past PhD

European Research Council
Established by the European Commission



European Commission

TÜBİTAK

ERC Success Stories

Success Stories from Turkey

1st Wave

1. Mehmet Bayındır: Bilkent: 2012-StG

«Nanotnanoteknolojide yeni bir üretim tekniği geliştirerek sonsuz uzunlukta nanotel ve nanotüp dizileri üretmek»

2. Kerem Pekkan: Koç: 2012-StG

«Ölümcül doğumsal kalp hastalıklarının anne karnında cenin 1 aylıkken, damar bozukluklarının önlenmesini ve bir gün tamamen ortadan kaldırılmasını»

Success Stories from Turkey

2nd wave!

Advanced Grant

- Hakan Ürey, Koç Univ. 2.5 million € «Arttırılmış Gerçeklik ve 3 Boyutlu Uygulamalar İçin Yeni Display Teknolojilerinin Geliştirilmesi»

Consolidator Grant

- Özgür Barış Akan, Koç Univ., 1.8 million € «Biyolojik-esinli Nanoağlar ve Bilişim-esinli Nörolojik Tedavi için Sinir Sisteminin Haberleşme Kuramsal Temellerinin İncelenmesi»
- F. Ömer İlday, Bilkent Univ, 2 million € «Doğrusal Olmayan Lazer Lithografi»

Starting Grant :

- Ebru Erbay, Bilkent Univ, 1,5 million € «Ateroskleroz hastalığında, metabolik enflamasyona yol açan moleküler mekanizmaların belirlenmesi»

ERC Success Stories in EU

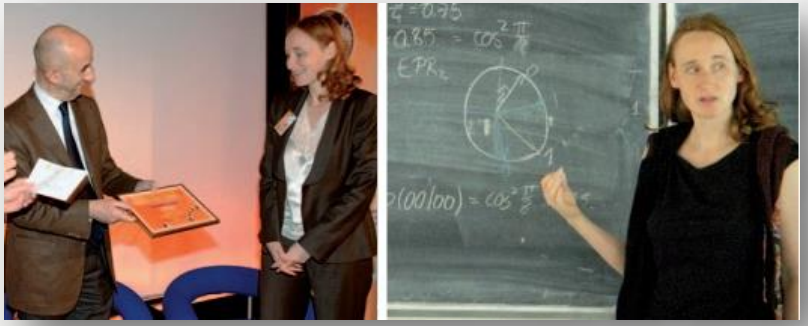
1. Mete Atatüre UK PE
2. Kocer Armagan NL LS
3. Halil Mete Soner CH PE
4. Nilufer Göle FR SSH
5. Ataç İmamoğlu CH PE
6. Işın Engin UK SSH
7. Deniz Kirik SE LS
8. Asli Haggort - Özyürek NL SSH
9. Nezih Güner ES SSH
10. Ayşe İrem Tuna Richardson UK SSH
11. Volkan Cevher CH PE
12. Umut Acar DE PE
13. Zeynep Ökten DE LS
14. Emre Yakşi BE LS
15. Seyfi Arpat Özgül CH LS
16. **Mete Atatüre UK PE**
17. Savaş Tay CH PE

ERC Success Stories

The Power of Quantum Computers

Quantum computing promises to add subtle grey shades to the black-and-white logic of today's digital computers, replacing the binary strings of '0's and '1's now used to encode data with the unit of quantum information known as a 'qubit'.

Starting Grant recipient Julia Kempe, a highly qualified international researcher now working in Israel, will bring a similarly sophisticated mix of physics and mathematics to the study of phenomena that will provide unprecedented problem-solving powers to the IT tools of the future.



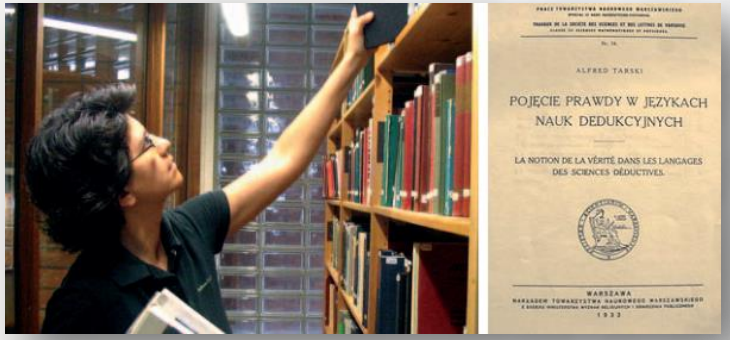
Proje: QUCO
Baş Araştırmacı: Julia Kempe
Çağrı: ERC-2007-StG
Alan: Fen Bilimleri ve Mühendislik
Ev Sahibi Kurum: Tel Aviv Üniversitesi, Il
Milliyet: Almanya
Bütçe: 744 000 €
Aytıntılı Bilgi: www.cs.tau.ac.il/~kempe/

ERC Success Stories

Tarski's Revolution: a New History

The concept of truth plays a central role in our cognitive lives, and has been the preoccupation of philosophers since the times of Plato and Aristotle. In the 1930s, Polish logician Alfred Tarski was the first to express truth in mathematical terms, but the roots of his work have since remained largely in the shadows.

An ERC Starting Grant will enable a team headed by Italian Arianna Betti to explore his revolution in semantics, bringing deserved prominence to the highly original Eastern European school of thought.



Proje: TRANH
Baş Araştırmacı: Arianna Belti
Çağrı: ERC-2007-StG
Alan: Sosyal ve Beşeri Bilimler
Ev Sahibi Kurum: VU University Amsterdam, NL
Milliyet: İtalya
Bütçe: 900 000 €
Aytıntılı Bilgi: www.wijsbegeerte.vu.nl/betti

ERC Success Stories

Mothers, Grandmothers and the Evolution of Prolonged Lifespan in Humans

While most animals die soon after losing the ability to reproduce, the human lifespan continues for many more years. The reason behind this apparent evolutionary oddity may be that the survival of women allows them to devote more effort to helping adult offspring produce a further generation — which could be the most efficient strategy for success.

With the support of an ERC Starting Grant, Finnish zoologist Virpi Lummaa aims to prove that caring grandmothers are drivers of genetic continuity and proliferation

Proje: HUMAN LIFESPAN
Baş Araştırmacı: Vipri Lumma
Çağrı: ERC-2007-StG
Alan: Yaşam Bilimleri
Ev Sahibi Kurum: Sheffield Üniversitesi, UK
Milliyet: Finlandiya
Bütçe: 1 143 824 €
Aytıntılı Bilgi: www.huli.group.shef.ac.uk/virpi-personal.html

ERC Success Stories

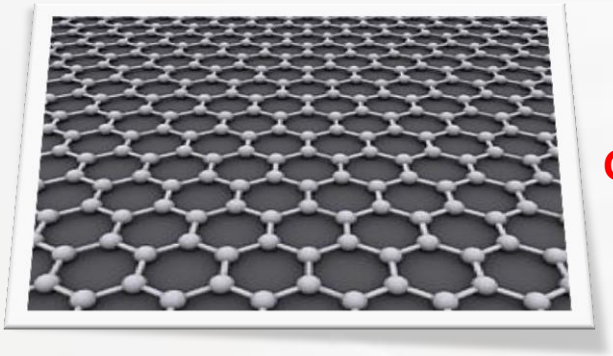
Physics and Applications of Graphene

Aged 36, Professor Novoselov, Russian and UK citizen, is one of the youngest Nobel Prize winners. He received both an ERC grant and now, together with his colleague Prof. Andre Geim, the Nobel Prize for his studies of "Graphene", a one-atom-thick crystal with unusual quantum conductive properties. It is tipped for a number of future applications in electronics and photonics.

“Science should be fun, and you don’t always need to do expensive multi-million dollar experiments to be on the cutting edge of research.”

Proje: Graphene
Baş Araştırmacı: Konstantin Novoselov
Çağrı: ERC-2007-StG
Alan: Fen Bilimleri ve Mühendislik
Ev Sahibi Kurum: Manchester Üniversitesi, UK
Milliyet: Rusya ve İngiltere
Bütçe: 1 775 044 €
Aytıntılı Bilgi:

ERC Success Stories



Grafin Nedir?

Karbon atomunun iki boyutlu bal peteği örgülü yapılarından birdir. Çelikten 100 kat güçlü, bakırdan daha iyi ısı ve elektriği ileten, saydam bir malzeme

Grafin Uygulama Alanları nedir?

Elektronik ve fotonik, transistörler, saydam geçirgen yüzeyler (bilgisayar ekranı gibi), güneş hücreleri, dokunmatik ekranlar

Yeni bir araştırma alanının doğuşu:

- Konstantin Novoselov ve Andre Geim
- 2004 *Science* makalesi (Novoselov KS, *et al.*, "Electric field effect in thin carbon films,") (4401 atıf)
- 2005 *Nature* makalesi (Novoselov KS, *et al.*, "Two-dimensional gas of massless Dirac fermions in graphene,"). (3051 atıf)
- 2008 Novoselov'un 5 yıllık European Research Council Starting Grant projesinin başlaması (1.78 milyon €)
- 2010 Nobel Fizik Ödülü (Novoselov ve Geim)
- 2010- 2013 FET Flagship on Graphene
- 2013 Flag-ERA-NET and TÜBİTAK (call is open until Jan. 2015)

ERC Peer Review Evaluation System and Tips

ERC StG/CoG Proposal Template

- **A:** Online forms (through PPSS)
  - General information (Proposal information)
  - Administrative data of participating organisations
  - Budget (This part should be the same as the Section c. Resources (including costs) of Part B2.)
  - Ethics (In case you answer YES to any of the questions in this part, you are requested to provide an Ethics Self-Assessment and additional ethics documentation)
  - Call specific questions
- **B1:** extended synopsis (5)+ CV(2)+ track record of early establisment(2)+ Compulsory table format of the applicant's Funding ID (no limit) **(max. 9 pages)**
- **B2:** Scientific proposal (State of the art and objectives, Methodology, Resources (incl. project costs)) **(max 15 pages)**
- **The supporting documentation** (HI support Letter, PhD documentation, documentation for ethical issues or requests for eligibility extensions)

ERC AdG Proposal Template

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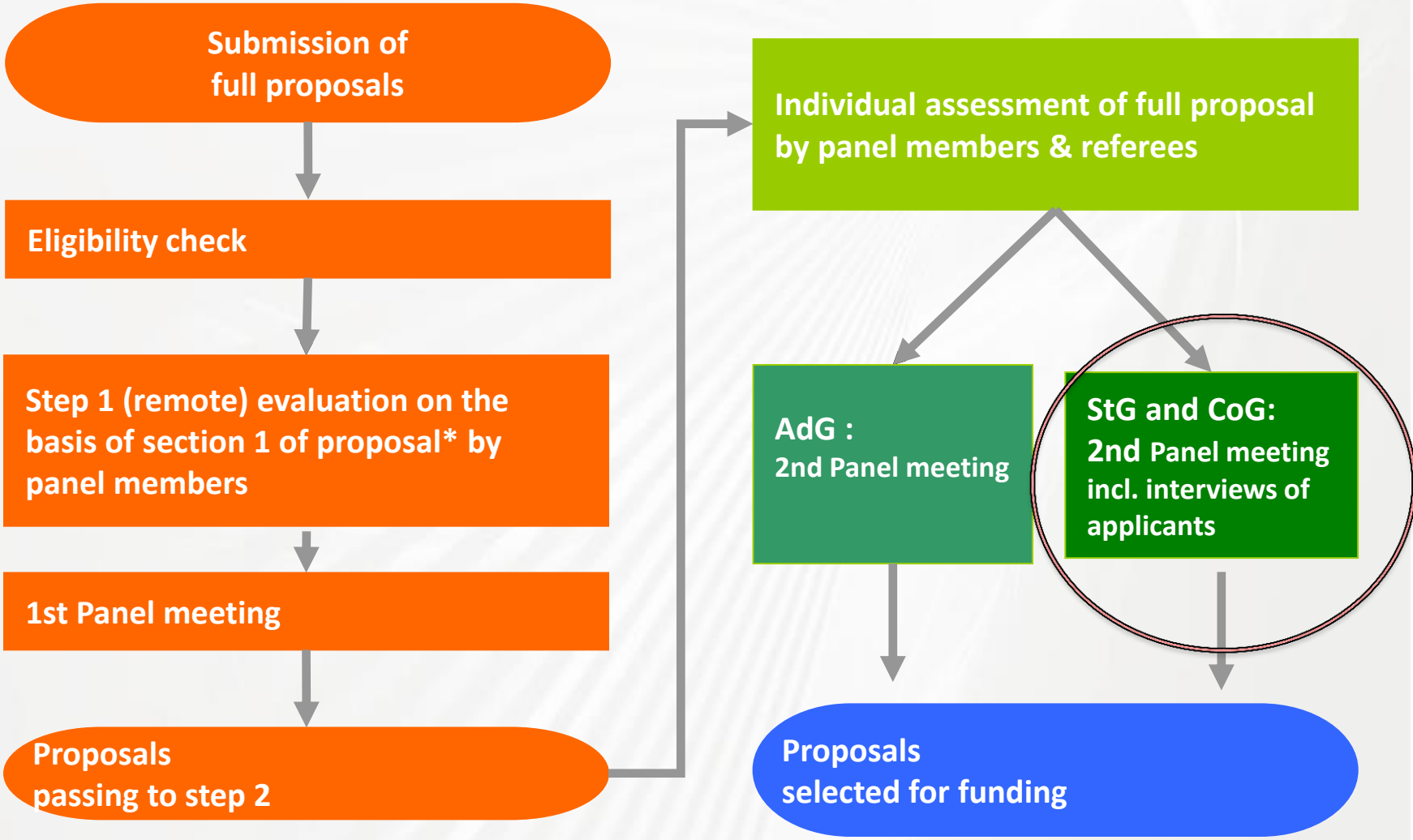
- **B2:** Scientific proposal (State of the art and objectives, Methodology, Resources (incl. project costs)) **(max 15 pages)**
- **The supporting documentation** (HI support Letter, documentation for ethical issues or requests for eligibility extensions)

ERC Evaluation Process



ERC StG 2014 Panel Chairs

TÜBİTAK

Life Sciences

LS1 Molecular and structural biology and biochemistry:	Prof. Tomi P Makela
LS2 Genetics, genomics, bioinformatics and systems biology:	Prof. Frank Grosveld
LS3 Cellular and developmental biology:	Prof. Daniel Robert St Johnston
LS4 Physiology, pathophysiology and endocrinology:	Prof. Hellmut Augustin
LS5 Neurosciences and neural disorders:	Prof. Michael Brecht
LS6 Immunity and infection:	Dr. Diego Sebastian Amigorena
LS7 Diagnostic tools, therapies and public health:	Prof. Stefanie Dimmeler
LS8 Evolutionary, population and environmental biology:	Prof. John N. Thompson
LS9 Applied life sciences and non-medical biotechnology:	Prof. Diana Banati

Social Sciences and Humanities

SH1 Markets, individuals and institutions:	Prof. Philip Hans B.F. Franses
SH2 The social world, diversity and common ground:	Prof. Gustavo Guerreiro Seabra Leitao Cardoso
SH3 Environment, space and population:	Prof. Petter Pilesjo
SH4 The human mind and its complexity:	Prof. Sonja Anette Kotz Cimon
SH5 Cultures and cultural production:	Prof. Caroline van Eck
SH6 The study of the human past:	Prof. Maria Todorova

Physical Science and Engineering

PE1 Mathematics:	Prof. Ari Laptev
PE2 Fundamental constituents of matter:	Prof. Maciej Lewenstein
PE3 Condensed matter physics:	Prof. Gerrit Bauer
PE4 Physical and analytical chemical sciences:	Prof. Marco Daturi
PE5 Synthetic chemistry and materials:	Prof. Horst Weller
PE6 Computer science and informatics:	Prof. Marta Zofia Kwiatkowska
PE7 Systems and communication engineering:	Prof. Peter Kennedy
PE8 Products and process engineering:	Dr. Christian Sattler
PE9 Universe sciences:	Prof. Monica Tosi
PE10 Earth system science:	Prof. Dorthe Dahl-Jensen

Important Note: Please also see ERC StGG 2013 Panel Chairs and Members

http://erc.europa.eu/evaluation-panels

ERC CoG 2014 Panel Chairs

TÜBİTAK

Life Sciences

LS1 Molecular and structural biology and biochemistry:	Prof. Laszlo Tora
LS2 Genetics, genomics, bioinformatics and systems biology:	Prof. Karen Steel
LS3 Cellular and developmental biology:	Prof. Arshad Desai
LS4 Physiology, pathophysiology and endocrinology:	Prof. Manolis Pasparakis
LS5 Neurosciences and neural disorders:	Dr. Gábor Tamás
LS6 Immunity and infection:	Prof. Philippe Sansonetti
LS7 Diagnostic tools, therapies and public health:	Prof. Jane F. Apperley
LS8 Evolutionary, population and environmental biology:	Prof. Julia Fischer
LS9 Applied life sciences and non-medical biotechnology:	Prof. Birte Svensson

Social Sciences and Humanities

SH1 Markets, individuals and institutions:	Prof. Richard Blundell
SH2 The social world, diversity and common ground:	Prof. Shalini Randeria
SH3 Environment, space and population:	Prof. Neil Adger
SH4 The human mind and its complexity:	Prof. Lisa Cheng
SH5 Cultures and cultural production:	Prof. Georgina Born
SH6 The study of the human past:	Prof. Graeme Barker

Physical Science and Engineering

PE1 Mathematics:	Prof. Alfio Quarteroni
PE2 Fundamental constituents of matter:	Prof. John Renner Hansen
PE3 Condensed matter physics:	Prof. Sebastien Balibar
PE4 Physical and analytical chemical sciences:	Prof. Aart Kleijn
PE5 Synthetic chemistry and materials:	Prof. Luis Liz-Marzan
PE6 Computer science and informatics:	Prof. Mogens Nielsen
PE7 Systems and communication engineering:	Prof. Florian Solzbacher
PE8 Products and process engineering:	Prof. Aristide Massardo
PE9 Universe sciences:	Prof. Conny Aerts
PE10 Earth system science:	Prof. Paul Andriessen

Important Note: Please also see ERC CoGG 2013 Panel Chairs and Members

http://erc.europa.eu/evaluation-panels

ERC AdG 2014 Panel Chairs

TÜBİTAK

Life Sciences

LS1 Molecular and structural biology and biochemistry:	Prof. Daniela Rhodes (Bargellini)
LS2 Genetics, genomics, bioinformatics and systems biology:	Prof. Charles Auffray
LS3 Cellular and developmental biology:	Prof. Juergen Knoblich
LS4 Physiology, pathophysiology and endocrinology:	Prof. Susan Bonner-Weir
LS5 Neurosciences and neural disorders:	Prof. Zoltan Nusser
LS6 Immunity and infection:	Prof. Fiona Powrie
LS7 Diagnostic tools, therapies and public health:	Prof. Paul Herijgers
LS8 Evolutionary, population and environmental biology:	Prof. Roger Butlin
LS9 Applied life sciences and non-medical biotechnology:	Prof. Daniel Tomé

Social Sciences and Humanities

SH1 Markets, individuals and institutions:	Prof. Orazio Attanasio
SH2 The social world, diversity and common ground:	Prof. Renaud Dehousse
SH3 Environment, space and population:	Prof. David Banister
SH4 The human mind and its complexity:	Prof. Milena Zic-Fuchs
SH5 Cultures and cultural production:	Prof. Alessandro Schiesaro
SH6 The study of the human past:	Prof. Maria-Jose Rodriguez-Salgado

Physical Science and Engineering

PE1 Mathematics:	Prof. Maria J. Esteban
PE2 Fundamental constituents of matter:	Prof. Olaf Scholten
PE3 Condensed matter physics:	Prof. Manijeh Razeghi
PE4 Physical and analytical chemical sciences:	Prof. Thomas Rizzo
PE5 Synthetic chemistry and materials:	Prof. Jöns Hilborn
PE6 Computer science and informatics:	Prof. Zdenek Strakos
PE7 Systems and communication engineering:	Prof. Thomas Sinkjaer
PE8 Products and process engineering:	Prof. Bernhard Schrefler
PE9 Universe sciences:	Prof. Aleksander Wolszczan
PE10 Earth system science:	Prof. Ingeborg Levin

Important Note: Please also see ERC AdG 2013 Panel Chairs and Members

http://erc.europa.eu/evaluation-panels

ERC – Evaluation Criteria

TÜBİTAK

1. Research project

- Ground-breaking nature and potential impact of the research project
  - To what extent does the proposed research address **important challenges?**
  - To what extent are the objectives ambitious and **beyond the state of the art** (e.g. novel concepts and approaches or development across disciplines)?
  - How much is the proposed research **high risk/high gain?**
- Scientific Approach
  - To what extent is the outlined **scientific approach feasible**
  - To what extent is the proposed research **methodology** appropriate to achieve the goals of the project
  - To what extent does the proposal involve the development of **novel methodology**
  - To what extent are the proposed **timescales and resources** necessary and properly justified

ERC – Evaluation Criteria

2. Principal Investigator

- Intellectual capacity and creativity
  - To what extent has the PI demonstrated the ability to propose and conduct **ground-breaking research**?
  - To what extent does the PI provide evidence of **creative independent thinking**?
  - To what extent have the achievements of the PI typically gone **beyond the state-of-the-art**?
- Commitment
  - To what extent does the PI demonstrate the level of **commitment** to the project necessary for its execution and the **willingness** to devote a significant amount of time to the project (min 30% of the total working time on it and min 50% in an EU Member State or Associated Country)

ERC: New Grading System

At the end of step 1

A. is of sufficient quality to pass to step 2 of the evaluation; (app. 20%)

B. is of high quality but not sufficient to pass to step 2 of the evaluation (wait 1 year);

C. is not of sufficient quality to pass to step 2 of the evaluation. (wait 2 years)

At the end of step 2

A. fully meets the ERC's excellence criterion and is recommended for funding if sufficient funds are available; (app. 10%)

B. meets some but not all elements of the ERC's excellence criterion and will not be funded. (wait 1 year)

Common Weakness of Proposals from Turkey

TÜBİTAK

Research Project Criteria

- The proposal is too narrow/too broad
- Insufficiant/no project description (state of the art, objectives, methodology, scientific detail, approach)
- The proposal does not indicate the advantages of the proposed approach over other research that will be carried out by other groups
- The proposal is essentially an applied project which is unlikely to result in important scientific breakthroughs
- Incremental rather than ground-breaking
- High gain but medium/risk
- Not well supported by preliminary experimental data
- The proposed work is a straightforward extension of the PI's current research activities
- Potential applications might be restricted
- Classical/conventional methodology
- This kind of research could be support by the local resources
- Missing strategy or vision for the implementation ethical issues
- Too descriptive proposal

Principle Investigator Criteria

- The candidate has limited international experience/exposure/recognition/publication
- Low publication, low citation, low impact factor
- Little/no evidence of independent research high (For StG and CoG)
- The potential for future leadership in this area of research is not high (For StG and CoG)

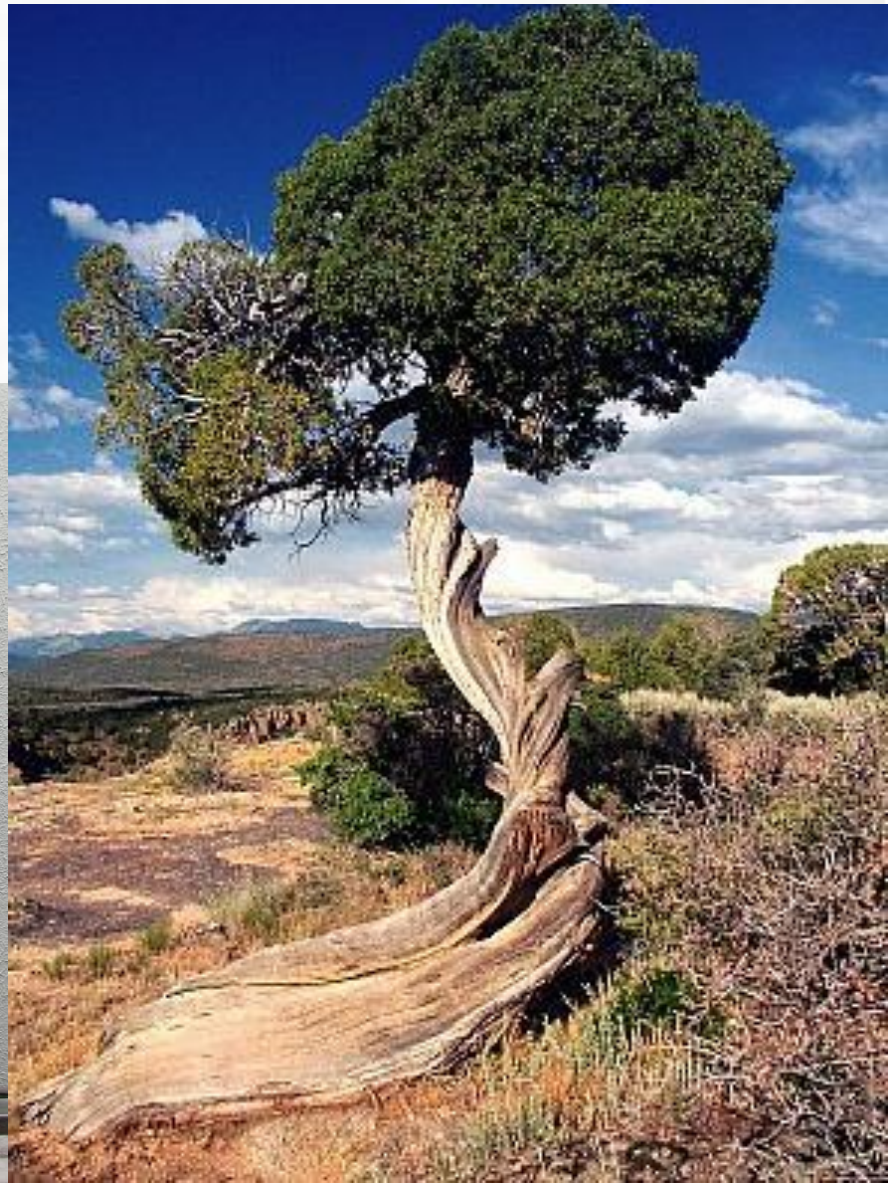
To-Do List

- Complete **Part B2**
- Complete **Part B1**
- Prepare and approve of **Host Institution Support Letter**
- Receive Additional Ethical authorization from the university
- Send Part B1 and Part B2 to your colleagues/friends for peer-review and get their **feedback**
- Send Part B1 and Part B2 to TUBITAK for **pre-evaluation support**
- Organize a **mock interview** (if needed)
- Complete the proposal convert in pdf
- Complete online submission through Participant Portal Submission System (PPSS)
- Submit proposal through PPSS *(at least 1 week before the call deadline)*

Important Tip!

- Devote considerable amount of time to the preaparation of B1. Evaluators read only B1 in the 1st step of the evaluation. It should be convincing together with abstract.
- But avoid repetition in B1 and B2

Full size – B2



Synopsis – B1

Abstract

Tips

Principal Investigator Criteria- 1

- Sell yourself (but be honest)!
- Don't refer to yourself as "Dr. Smith" or "the PI" (I, myself, my career)
- Make sure you address the full requirements of the track record, and consider what makes you stand out
- Clarify specific points to strengthen your application and give additional relevant details
- Explain anything that is specific to your country
- The evaluators will review the PI on the basis of their experience and information the PI provides on the application form! (Don't rely on embeded documents)

Tips

Principal Investigator Criteria- 2

- If you have experienced professional mobility, link this to the improvement of your career perspectives: where did you go and why?
- If you have not been very mobile, highlight your international collaborations and your short stays abroad: these also count!
- finish with a personal statement indicating that you are at the right point of your career to undertake this step forward
- Crazy project // crazy guy

Tips

Research Project Criteria- 1

- Consider what excites you about the research and convey this in your application
- Think about your audience and remember to explain specific terminology
- Explain how the research will open new horizons or opportunities
- Provide a clear, concise work-plan which gives details of the intermediate goals
- Explain what each team member is doing (and their background/ recruitment profile)
- Highlight any intermediate stages where you may need to adjust your project planning
- Clearly explain how you will manage and disseminate your project
- Justify the resources you need for your research proposal and ensure the resources are appropriate.

Tips

Research Project Criteria- 2

- Reserve enough time for preparation
- Pay attention to societal needs: is the project timely?
- Educate the evaluator (with facts, figures and tables)
- Important or exciting questions
- Clear ideas for experiments
- Combine methods -> new approaches
- Reading by colleagues
- Remember that the application must not only convince researchers that are expert in your field but also in adjacent areas

Tips

Research Project Criteria- 3

- Be more technical and go into more detail. However, try to formulate your idea and strategy so that is clear to experts and non-experts alike
- Explain methodology in detail and justify (8 pages suggessted)
- Include Gantt Diagram, pert chart
- Adjustments to the project planning (risk assessment / contingency plan)
- If you use explanatory diagrams, be sure they are easy to understand and readable

Tips

Research Project Criteria- 4

- Brainstorming exercise: what do you think the evaluators will be looking for in each sub-section?
- Make the proposal look nice, well structured and logically organised (informative title, well-defined acronyms, each bit of information under the right heading); make the reviewer's job easier
- Do not be extremely modest, but neither boastful, take a "realistic" approach
- Use the pages effectively by clarifying points that strengthen your application
- Most evaluators are generalists and will review the application strictly on the basis of the information you provide
- Choose carefully your panel and panel descriptors
- Adventurous projects (1/3) but feasible (2/3)

Tips

Research Project Criteria- 5

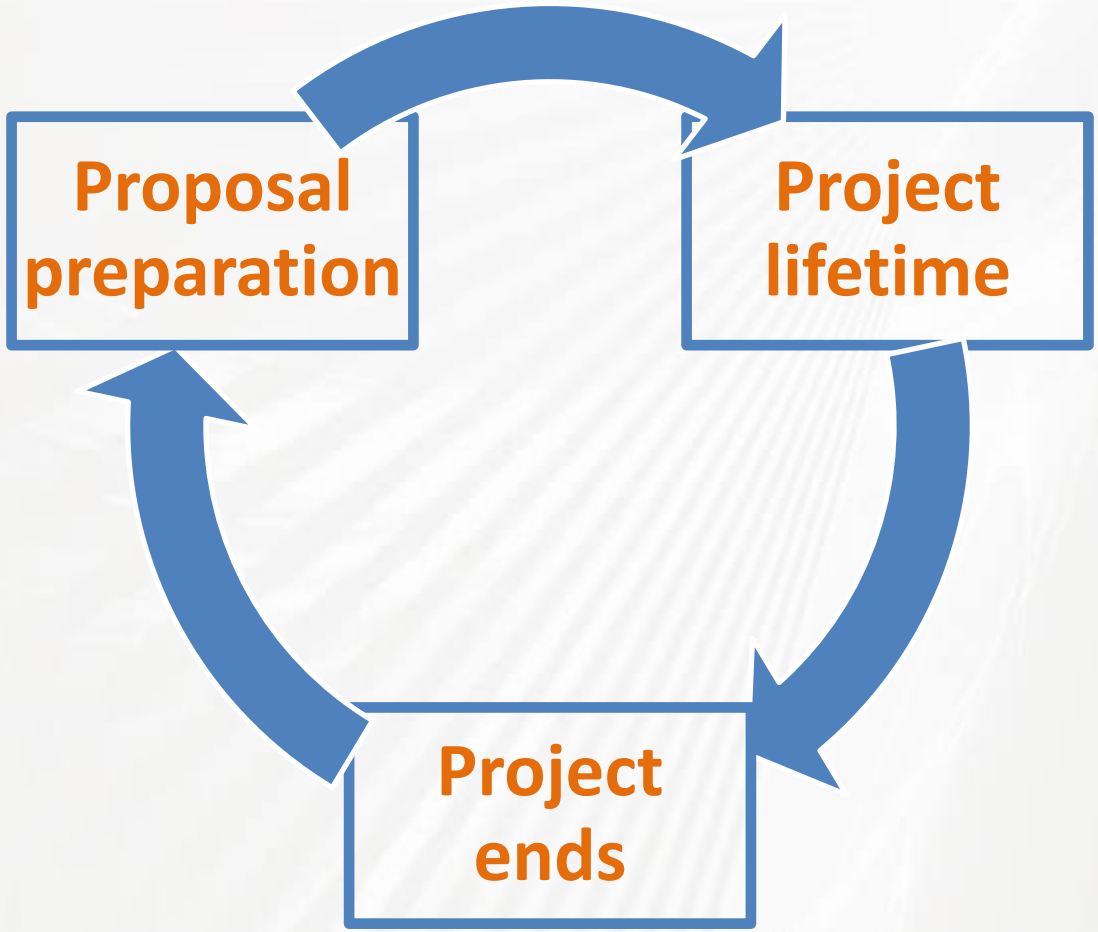
- Personel costs must be actually incurred (actual costs) – time sheets
- If you plan to include personnel costs, match the profile of the human resources to the needs of the project (PI, post-docs, early stage researchers, technicians)
- Take into account the minimum % of your dedicated time when calculating your salary (50%)
- Bear in mind that the ERC does not want to provide host institutions with infrastructure
- Only equipment purchased for the purpose of carrying out the project can be charged as direct costs. To be eligible, a cost must be determined according to the beneficiary's usual accounting practice and depreciation system for durable equipment

Support and Incentives of TÜBİTAK

National ERC Strategy

- Identification of target researchers (in Turkey, EU or outside EU)
- Periodic and effective information transfer
- Close Collaboration with EU / Project Offices in universities
- One-to-one support to researchers
- Sharing best practices with researchers and university representatives
- Co-designing new support and incentive mechanisms

TUBITAK supports all parts of project cycle



Proposal preparation - 1

- Information bridge between ERC and Turkish research community
- Information on funded projects and researchers Tips for proposal writing
- Proposal writing calender / to do list
- Support for budget planning
- Pre-evaluation of proposals (non-scientific, technical)

Proposal preparation -2

- Information about evalution panels
- Special analyses (profiles of ERC funded researchers, evaluation summary reports)
- Guidance on using Electronic Proposal Submission Service (EPSS)
- Sharing the experience of ERC grant holders
- Guidance on interviews for Starting Grant and Consolidator Grant
- New: Pre-evaluation support (December 2014)
- New: Incentive for projects passed the 1. step of evaluation but not funded
  - A: 5000 €
  - B: 2500 €

During the Lifetime of Project

- Guidance on the preparation of Grant Agreement
- Support for Intellectual Property Rights
- Guidance on project reports (financial and scientific)
- Support for legal and financial issues (VAT exemption, audit certificate)
- **NEW: Prize for funded projects**
  - 90000-120000 € Prize (for projects with budget 1.5 -3.5 million €)
  - 20% of the project allocated for Host Institution

After the Project Finalised

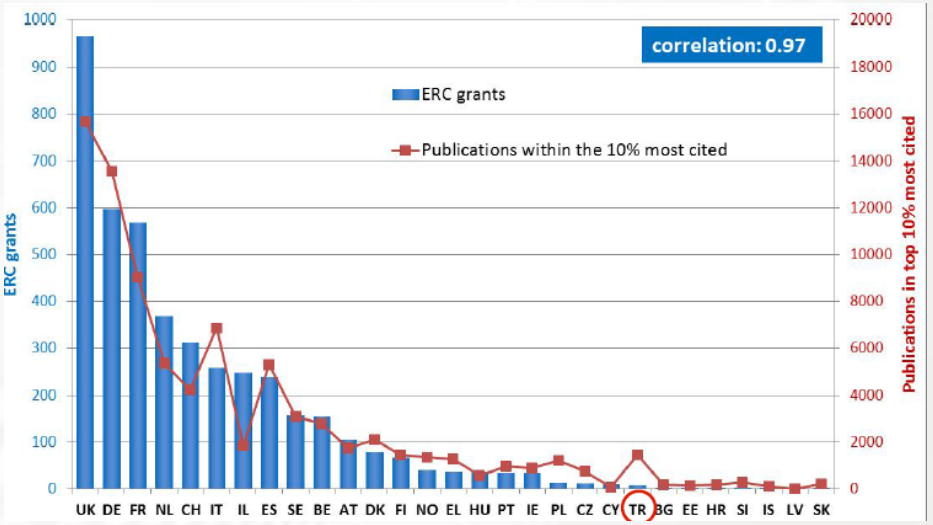
- Guidance for audits (if necessary)
- Learning from your experiences

Some Useful Documents

- **Examples of some striking ERC projects**
  - http://erc.europa.eu/pdf/PROJECTS-EN-LD.pdf
  - **http://cordis.europa.eu/projects**

- **Links:**
- **http://erc.europa.eu/**
- **www.h2020.org.tr**
- **www.fp7.org.tr/ideas**
- **http://cordis.europa.eu/fp7/ideas/**

Teşekkürler



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