

**SELECTION OF TWO PROFESSORS (LEVEL 1 – PROFESSORE ORDINARIO), FOR THE ACADEMIC RECRUITMENT FIELD 13/A2 ECONOMIC POLICY – ACADEMIC DISCIPLINE SECS-P/02 ECONOMIC POLICY AT THE INSTITUTE OF ECONOMICS - ACADEMIC CLASS OF SOCIAL SCIENCES, RESERVED, PURSUANT TO ART. 24, SUBSECTION 6, OF ITALIAN LAW 240/2010, FOR ASSOCIATE PROFESSORS AND RESEARCHERS EMPLOYED AT THE SCHOOL, ISSUED BY RECTOR DECREE NO. 614 DATED 04/10/2021.**

**MINUTES OF THE SECOND MEETING**

The Review Committee for the selection of two Full professors for the Academic Recruitment Field 13/A2 “Economic Policy” at the Institute of Economics of the Scuola Superiore di Studi Universitari e di Perfezionamento Sant’Anna di Pisa, reserved for associate professors and researchers employed at the School to be selected pursuant to art. 24, subsection 6 of the Italian law 240/2010, nominated by decree No. 665 dated 20/10/2021 by the Rector, that consists of:

- Prof. Elena Cefis, Full Professor of Group of the Academic Recruitment Field 13/A2 “Economic Policy” at The University of Bergamo;
- Prof. Bart Los, Full Professor of the Economics of Technological Progress and Structural Change at the University of Groningen (NL);
- Prof. Antonio Frisoli Full Professor of the Academic Recruitment Field 09/A2 Applied Mechanics at Scuola Superiore Sant’Anna, member of the Recruitment Committee;
- Prof. Luigi Marengo Full Professor of Group of academic recruitment fields 13/A “Economics” at the Luiss, designated Expert by The Institute of Economics;
- Prof. Orietta Marsili, Full Professor, University of Bath (UK);
- Prof. Marco Vivarelli, Full Professor of the Academic Recruitment Field 13/A2 “Economic Policy” at the Università Cattolica del Sacro Cuore;

convened for the second time, via teleconference, on November, 16, 2021, at 11 a.m. from the following locations:

Prof. Cefis located in Bergamo, connected via Google Meet ([meet.google.com/obm-vshc-pdi](https://meet.google.com/obm-vshc-pdi)).

Prof. Los located in Groningen, connected via Google Meet ([meet.google.com/obm-vshc-pdi](https://meet.google.com/obm-vshc-pdi)).

Prof. Frisoli located in Pisa, connected via Google Meet ([meet.google.com/obm-vshc-pdi](https://meet.google.com/obm-vshc-pdi)).

Prof. Marengo located in Roma, connected via Google Meet ([meet.google.com/obm-vshc-pdi](https://meet.google.com/obm-vshc-pdi)).

Prof. Marsili located in Bath, connected via Google Meet ([meet.google.com/obm-vshc-pdi](https://meet.google.com/obm-vshc-pdi)).

Prof. Vivarelli located in Milano, connected via Google Meet ([meet.google.com/obm-vshc-pdi](https://meet.google.com/obm-vshc-pdi)).

The President, having ascertained the presence of all the members, opened the session and verified that the assessment criteria defined in the previous session had been published on the website of the School.

The members of the Committee states that the Personnel Office of the School has provided them with an electronic copy of the documentation submitted by the applicants containing: application,

curriculum, publications with a declaration in lieu of an affidavit certifying compliance with the original, letters of recommendation, and a list of all the documents accompanying the application.

The members of the Committee state that they have examined the publications, curricula and teaching activities of the candidates and made their individual assessments, which are reported in Annex 1 of these minutes.

The Committee then examines the publications, curricula and teaching activities of the candidates, compares their individual assessments and reviews the collegial assessment annexes sub 2 attached to the minutes of which they are an integral part.

Then after a comprehensive discussion, the Committee unanimously declares that the winning candidates are:

Prof. Andrea MINA

Prof. Federico TAMAGNI

*Prof. Frisoli testifies that the evaluation of the candidates, the presentation of the individual assessments, the ensuing discussion and, in general, the whole procedure occurred in full compliance with the rules established by Scuola Sant'Anna and its recruitment committee.*

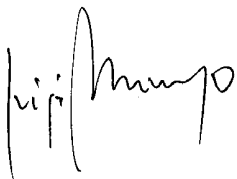
The Committee then draws up a report summarizing the work carried out.

Given the conclusion of the Review Committee for the selection of two Full professors for the Academic Recruitment Field 13/A2 "Economic Policy" at the Institute of Economics of the Scuola Superiore di Studi Universitari e di Perfezionamento Sant'Anna di Pisa, reserved for associate professors and researchers employed at the School to be selected pursuant to art. 24, subsection 6 of the Italian law 240/2010, the President declared the work closed.

These minutes, written and signed by the President and the attached declarations of the Committee's members will be sent the Personnel Office in order for these proceedings to be verified, with a decree by the Rector.

The session closed at 12:45.

Read, approved and signed,



The President

Prof. Luigi Marengo

## ATTACH 1 – INDIVIDUAL ASSESSMENTS

### **CANDIDATE ANDREA MINA:**

**Profile:** Andrea Mina is associate professor of Economic Policy at Scuola Superiore Sant’Anna since 2016. Previously he was fellow and senior research fellow at Cambridge University, UK. He holds a PhD from Manchester University and one from the University of Torino. He got his qualification for the full professorship in Economic Policy (13/A2) in 2021. He is author of 22 articles in refereed international journals. In the database Scopus he has 848 citations, and an H-index 11. In Google Scholar he has 2398 citations and H-index 18. He has a broad teaching experience in various courses in Scuola Superiore Sant’Anna and in the Universities of Cambridge, Manchester and Turin,

**Assessment by Prof. Elena Cefis:** The candidate has published 22 articles in international journals all of them in Fascia “A” for Economic Policy (the group of Journals considered more relevant to obtain the ASN – the national qualification as full professor in Economic Policy). Some of the Journals are among the top in their field, like *Research Policy* (the candidate has 6 articles in this journal), ranked 9 out of 248 (it’s in the 96th percentile) in Scopus for the field “Management of Technology and Innovation”, with an impact factor of 11.4. Or the *Journal of Economic Geography* (the candidate has 2 articles in this journal), ranked 32 out of 704 (it’s in the 95%) in Scopus for the field “Geography, Planning and Development”, with an impact factor of 4,9. His publications range in different fields extending from innovation, public funding, ecological transition, economic geography, management and others.

Andrea Mina excels also in the capacity to attract external funds. Indeed, he has been Principal Co-Investigator of 8 international research projects founded by different Institutions of the European Union.

With respect to the teaching activity, the candidate presents a portfolio of courses taught at undergraduate and graduate level at Scuola Superiore Sant’Anna as well as at University of Cambridge and at the University of Manchester.

All in all, my evaluation of the candidate is highly positive, and I am strongly in favour of his appointment as a Full Professor at the Scuola Superiore Sant’Anna.

**Assessment by Prof. Bart Los:** The candidate has a very strong publication record. He has published many times in journals with a very strong reputation, *Research Policy* and *Journal of Economic Geography* in particular. His work is well-cited and his reputation as an internationally recognized researcher is reflected in his major editorial role for *Industry and Innovation* and

frequent reviewing activities for a wide range of international journals. Over time, the candidate has broadened his research field, which by now covers many aspects of the economics of technology and innovation and of issues related to technology policy. Given his "pipeline", I do not have any reason to believe that the candidate's research output will shrink in the years to come. The candidate has fulfilled several important positions with managerial responsibilities, both in relation to his current employer and before, when he was employed at very good universities in the United Kingdom. He has an excellent track record with respect to attracting external funds and managing the associated large-scale projects. He has ample experience in teaching, ranging from modules in undergraduate programmes to PhD courses.

In view of the above, I think that the candidate really deserves to be promoted to Full Professor.

**Assessment by Prof. Antonio Frisoli:** Prof. Andrea Mina is an associate professor at Scuola Sant'Anna since 2016, after having spent sixteen years in the UK covering different research positions at University of Cambridge, University of Manchester and Imperial College London Business School.

Prof. Andrea Mina is mainly active in the field of Economics of Innovation and his activity has been recognized by a number of international awards.

In terms of teaching, prof. Mina has carried out a relevant activity, since prof. Mina has been member of two PhD boards in "(Economics', and 'Health Science, Technology and Management' and has also taught a number of undergraduate courses at Scuola Sant'Anna in Economics of Science, Econometrics Lab, and Venture Capital subjects.

Also the candidate's scientific production is very significant for the variety of covered topics and the editorial collocation. He is author of 20 class A journal publications since 2005, in the area of economic innovation. His scientific production denotes the application of interesting scientific and analytical methods to derive economic models of innovation, that take into account different dimensions and the whole complexity of the problem.

He owns National Scientific Qualification as Full Professor in 13/A1 Political Economy, 13/A2 Economic Policy and 13/A4 Applied Economics sectors

In view of the above, my evaluation of the candidate is fully positive. In conclusion the candidate is fully entitled to the promotion as Full Professor at Scuola Sant'Anna.

**Assessment by Prof. Luigi Marengo:** The candidate has a solid and consistent publication record, with a good number of articles published in such highly ranked international journal as Research Policy, Journal of Economic Geography, Ecological Economics, Industrial and Corporate

Change. His research has mainly focused on the economics of technological change in relation to topics in industrial dynamics, innovation policies, innovation and finance, digital technologies. His contributions had a good impact in the scientific community as witness by the number of citations they received. He has also showed an excellent record in attracting research funds. He has a good teaching experience, spanning over different subjects and including several Italian and British universities. My overall evaluation of the candidate is fully positive and I think he deserves the promotion to full professor.

**Assessment by Prof. Orietta Marsili:** The candidate has built a broad portfolio of teaching activities across topics and levels (undergraduate, postgraduate and PhD) at the Sant'Anna School and before that at the University of Cambridge, including invited lectures at the CORIPE University of Turin.

The candidate has an outstanding publication record including 22 articles in refereed journals and a co-edited book (by Routledge). Of this output, seven articles are published in academic journals rated as "journals of distinction" (CABS 4\*) in the field of innovation and three papers in "top journals" (CABS 4) in the field of regional studies according to the UK CABS Academic Journal Guide 2021. This work has rapidly attracted citations: the 2014 RP paper has received more than 400 citations and three papers more than 200 citations in Google Scholar. Grant application activity as Co-Investigator to EU and national schemes is significant and has produced notable achievements. Awards, invited seminars, conference participations, and the Associate editorship of Industry and Innovation attest to the national and international reputation of the candidate. In addition to contributing to the academic community, the candidate has engaged in dissemination to a non-academic audience.

Since 2018, the candidate has taken major roles in management and leadership at the Sant'Anna School, first as Associate Scientific Co-ordinator of the EMbeDS Department of Excellence and more recently as Pro-Rector for International Relations.

My overall assessment is highly positive, and I recommend Andrea Mina's appointment.

**Assessment by Prof. Marco Vivarelli:** The candidate ANDREA MINA presents an extended teaching experience at the Bachelor, Master and PhD level; his scientific activity, together with an intense participation to conferences, workshops and invited seminars, is characterized by a continuous and dense publication record. The candidate is very active in the fields of Economics of Innovation and in the field of Industrial Organization, with particular reference to industrial dynamics. Nine of his articles were published in top field journals, (7 articles in Research Policy; 2 articles in Journal of Economic Geography), while the others in very well reputed international

refereed journals. Given his academic age, the candidate's impact in terms of citations and h-index is remarkable. It is also worth mentioning his participation as associate editor to the editorial board of *Industry and Innovation* (2017-2020). My overall assessment is thus highly positive, and I recommend his appointment as Full Professor at the Scuola Superiore Sant'Anna.

### **CANDIDATE FEDERICO TAMAGNI:**

**Profile:** Federico Tamagni is associate professor of Economic Policy at Scuola Superiore Sant'Anna since 2014. Previously he was research fellow at Mercatorum University, Rome. He holds a PhD from Scuola Superiore Sant'Anna. He got his qualification for the full professorship in Economic Policy (13/A2) in 2021. He is author of 19 articles in refereed international journals and of 2 chapters in edited books. In the database Scopus he has 443 citations, and an H-index 12. In Google Scholar he has 1362 citations and H-index 18. He has a broad teaching experience in various courses in Scuola Superiore Sant'Anna and in some other Italian Universities,

**Assessment by Prof. Elena Cefis:** Federico Tamagni has published 19 articles in national and international journals among which 17 in Fascia "A" for Economic Policy (the group of Journals considered more relevant to obtain the ASN – the national qualification as full professor in Economic Policy). Some articles are published in very relevant journals of their field. He has 4 articles in *Small Business Economics* that is ranked, in Scopus, 29 out of 661 (it's in the 95th percentile) in the field of "Economics, Econometrics and Finance" with an impact factor of 8.8. Furthermore, he has 2 articles in *Research Policy*, one of the top journals in the field of Innovation. It is ranked 9 out of 248 (it's in the 96th percentile) in Scopus for the field "Management of Technology and Innovation", with an impact factor of 11.4.

Regarding his teaching activity the candidate shows a significant record of courses taught mostly at the graduate level (Master and PhD), mainly in micro-econometrics and industrial dynamics. Federico Tamagni has also participated in several research projects funded by the European Commission and by the Italian Ministry of the University and Research (MUR). In the most recent one he is also the Principal Co-Investigator showing that he is growing in his capability to attract funds at the international level.

My overall assessment is thus very positive, and I recommend his appointment as Full Professor at the Scuola Superiore Sant'Anna.

**Assessment by Prof. Bart Los:** The candidate has good publication record, with close to twenty articles in international journals with a good reputation. The two articles in *Research Policy* stand out in this respect. His publications cover various aspects of firm/industry dynamics and innovation. He has co-authored with many different colleagues. What seems to be lacking somewhat in this respect is the international dimension: he has almost exclusively published with other Italians. Still, he has an international academic reputation that is not only reflected in the good numbers of citations to his work, but also by his role in the editorial board of *Small Business Economics*. Furthermore, he has attracted substantial external funding, for example from funding programmes initiated by the European Commission. The candidate has taught many different courses over the years, to students in all stages of their training (including PhD students, also in France). He has also played an administrative role, as director of the PhD programme in economics at Sant'Anna. Despite his relatively strong orientation on the Italian scientific network, I think that the candidate has clearly a sufficiently strong CV to get promoted to Full Professor.

**Assessment by Prof. Antonio Frisoli:** Prof. Federico Tamagni is associate professor at Scuola Sant'Anna in "Politica Economics", after a period of assistant professorship at Universitas Mercatorum and Scuola Sant'Anna respectively.

In terms of teaching activities, he has been the Director of the PhD in Economics in the period 2017-2021 and has an extensive record of course performed since 2009 up to now, covering different aspects of econometrics, microeconometrics, and industrial dynamics

In terms of scientific production, Prof. Tamagni has an extensive corpus of publications covering topics of firm-industry dynamics, with particular reference to firm growth, its main patterns across heterogeneous firms and determinants with a strong empirical and quantitative approach. He is member of the Editorial Board of *Small Business Economics*.

He has been invited to present his work in major international peer-reviewed conferences and workshops. He owns the Italian Qualification as Full Professor in the areas 13/A2 and 13/A4

In view of the above, my evaluation of the candidate is fully positive. In conclusion the candidate is fully entitled to the promotion as Full Professor at Scuola Sant'Anna.

**Assessment by Prof. Luigi Marengo:** The candidate Federico Tamagni has given some important contributions to the literature on industrial dynamics, especially focusing on the determinants of firm growth. He has produced mainly empirical articles, which employ frontier econometric techniques but are also capable of casting new light on key theoretical questions. His

papers have been published in such highly ranked international journals *Research Policy*, *Small Business Economics*, *Industrial and Corporate Change* and have attracted a good number of citations in the scientific community. He has participated in several national and international research projects. His teaching record is totally adequate. My overall evaluation of the candidate is fully positive and I think he deserves the promotion to full professor.

**Assessment by Prof. Orietta Marsili:** The candidate has taught a variety of courses at the Sant'Anna School and at other Italian universities since 2008, at undergraduate, postgraduate and PhD level. The candidate has taught at the International PhD in Economics at the University of Cote d'Azur (Nice) and has acted as thesis advisor to 5 PhD students (one of which at the University of Strasbourg).

The candidate has an excellent record of publications including 19 articles in refereed journals and two book chapters. Of this research output, two articles are published in academic journals rated as "journals of distinction" (CABS 4\*) in the field of innovation, according to the UK CABS Academic Journal Guide 2021, and 11 articles are published in "highly-regarded journals" (CABS 3) in entrepreneurship and economics. The research is well cited. The 2008 ICC paper has received more than 200 citations in Google Scholar, and three other papers are above the 100 citations mark. The candidate has participated in various EU-funded and PRIN research projects and is currently coordinator of the Data-Empirics Group in a project under the Horizon 2020 programme. Evidence of recognition in the academic community are the numerous presentations at international conferences, invited seminars, the best paper nomination at the DRUID 2019 conference, and membership in the Editorial Review Board of *Small Business Economics*. As well, the candidate has disseminated the findings of a study on the impact of an EPO policy change to the policy community.

The candidate has made a major contribution to management and leadership at the Sant'Anna School as Director of the PhD programme in Economics (2017-2021).

My overall assessment is very positive, and I recommend Federico Tamagni's appointment.

**Assessment by Prof. Marco Vivarelli:** The candidate FEDERICO TAMAGNI presents an extended teaching experience at the Bachelor, Master and PhD level; his scientific activity, together with an intense participation to conferences, workshops and invited seminars, is characterized by a continuous and dense publication record. The candidate is very active in the fields of International Economics, Economics of Innovation and in the field of Industrial Organization, with a particular attention to the study of firms' growth. Three of his articles were published either in top field journals or in important generalist journals (2 articles in *Research*



Policy; 1 article in the Canadian Journal of Economics), while the others in very well reputed international refereed journals. Given his academic age, the candidate's impact in terms of citations and h-index is very good. It also worth mentioning his participation as member of the editorial review board of Small Business Economics. My overall assessment is thus very positive, and I recommend his appointment as Full Professor at the Scuola Superiore Sant'Anna.

## ATTACH 2 – COLEGIAL ASSESSMENTS

**CANDIDATE ANDREA MINA:** The candidate has an excellent publication record in terms of quantity, quality, and continuity. His contributions to the fields of economics of innovation, innovation policy, and industrial dynamics have had a good impact in the research community and have gathered a good number of citations.

His teaching record is excellent and broad in scope. In addition, he has been very active in the international research community and has coordinated several international research projects.

The committee unanimously expressed a fully positive assessment of the candidate and is in favour of his appointment as full professor.

**CANDIDATE FEDERICO TAMAGNI:** The candidate has a very good publication record in terms of quantity, quality, and continuity. His contributions to the field of industrial dynamics have had a good impact in the research community and have gathered a good number of citations.

His teaching record is excellent and broad in scope. In addition, he has participated in several national and international research projects.

The committee unanimously expressed a very positive assessment of the candidate and is in favour of his appointment as full professor.