



Report card: Croatia

Ana Marušić

University of Split School of Medicine

Split, Croatia



5th World Conference
on Research Integrity



Report card: Croatia

Structures





Report card: Croatia

Total Population	4,284,889
GDP	US\$ 48.73 billion (2015)
GDP/Capita	US\$ 11,538.829 (2015)

Gross exp on R&D	HRK 354,205,837 (2015) US\$ 5.2 million)
Amount of spending on research (as part of GDP)	0.79% BDP (2014)
% private, public and charity funding (as part of GDP)	Not available



Report card: Croatia

Number of researchers	9308 researchers (MS/MA or/and PhD degrees) in 2013, fully employed; 767 part-time; 1093 on contract
Number of research institutions	<ul style="list-style-type: none">- 119 higher education institutions (8 public universities, 2 private universities, 68 univ. schools and art academies, 1 university center at a public university; 4 private polytechnics; 11 public polytechnics, 22 private colleges, 2 public colleges)- 25 public scientific institutes- 70 legal entities outside the system of higher education and research (National and University Library, Croatian Academy of Sciences and Arts, the Lexicographic Institute “Miroslav Krleža”), hospitals and healthcare institutions with research units, national institutes, archives, museums etc.



Report card: Croatia

Processes





Report card: Croatia

<p>Whether a country has scientific strategy</p>	<p>Strategy for Education, Science and Technology of the Parliament of the Republic of Croatia</p>
<p>National bodies</p>	<p>National Committee for Ethics in Research and Higher Education – national body appointed by the Parliament of the Republic of Croatia</p>

<p>Laws with implications for research in</p>	<p>OPINION NATURE Vol 454 31 July 2008</p>	
<p>Organizational structure of research in</p>	<p style="text-align: center; font-size: 2em; color: red;">CORRESPONDENCE</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Xavier Bosch Department of Internal Medicine, Hospital Clinic, Villarroel 170, 08036 Barcelona, Spain e-mail: xavbosch@clinic.ub.es</p> </div>	
	<p>These letters respond to the Commentary 'Repairing research integrity' by Sandra L. Titus, James A. Wells and Lawrence J. Rhoades (<i>Nature</i> 453, 980–982; 2008).</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Integrity: Croatia's standards unusual in much of Europe</p> <p>SIR — Sandra Titus and her colleagues argue that a failure</p> </div> <div style="width: 30%;"> <p>emulate the standards already in place elsewhere. In Scandinavia, for example, training in good research practice is mandatory for researchers, as it is in the Biomedical Research Park of Barcelona in Spain. Croatia</p> </div> <div style="width: 30%;"> <p>scientists, Titus and colleagues drastically oversimplify the nature of the problem. They assume that most</p> </div> </div> <div style="text-align: right; margin-top: 10px;">  <p>Veronica knew what she had seen...</p> <p style="font-size: 0.8em;">J. TAYLOR</p> </div>	



Report card: Croatia

Environment





Report card: Croatia

Number of researchers and others involved in research integrity	Unknown
Percentage of postdoctoral students who get paid positions	Not available
Percentage of grant success for applications to national funders	~30% (2014)
Budget of funding agencies	CSF: ~ HRK 100 million (2105 US\$ 12 million)



Report card: Croatia



National code of research conduct and how it is disseminated and enforced	Ethics code of the Committee for Ethics in Research and Higher Education
Whether there is training and education in research integrity, whether it is mandatory and for whom, and by whom it is requested if so, and whether such training is evaluated and monitored	No training required
How and by whom investigations of alleged misconduct and undesirable conduct are done, and whether outcomes of proven misconduct are publicly available	Committee for Ethics in Research and Higher Education Institutions
Degree of cooperation between institutions	Not known
Protection of whistleblowers	Not addressed in regulations related to RI
Designated research integrity officers in institutions, whether they are mandatory, and who educates them	Not defined



Report card: Croatia

Whether there is research into research integrity and how much funding is there for it and who funds	None
Annual meetings on research integrity	None
Is mandatory registration of clinical trials and other research and of result	Registration mandatory only for medicines, as defined by the Ordinance on Clinical Trials of Medicines and Good Clinical Practice
Open and accessible data	No



Report card: Croatia

Outcomes





Report card: Croatia

Incentives for institutions or individuals or both based on research outputs, including research assessment frameworks and exercises	Yes for institutions, part of accreditation procedure
Is research integrity part of institutional quality assessment?	Not so far, but possible
Is there research impact assessment and translation of research findings to the community?	Yes
What is the public's perception of research integrity in their country, what is their trust in science?	Low
Is research integrity discussed in the lay press	Yes, in relation to scandals
Are there rewards for collaborative science and incentives for networks	Not known
Efforts to increase the value of research to society and reduce wasteful research.	Not known
Disincentives	Corruption in academia
Resources	None official or systematic

Thank you!



ana.marusic@mefst.hr