

Data base Survey: nationwide | faculty of scientific institutions related to the construction sector | 47 answers or 50% response rate

Status 2020-05-31

RESEARCH ENVIRONMENT ON THE TOPIC OF CARBON REINFORCED CONCRETE CONSTRUCTION

Question 1 - Please estimate, how successful an extensive application of the carbon reinforced concrete construction is in practice worldwide.

	Short-term < 2 a	Medium-term 2 bis 5 a	Medium- to long-term 6 bis 10 a	Long-term > 10 a
DEU				
Total	little probable	probable	highly probable	highly probable
DEU - federal state				
Baden-Württemberg	little probable	probable	highly probable	highly probable
Bavaria	little probable	little probable	probable	highly probable
Berlin	little probable	probable	highly probable	highly probable
Brandenburg	-	-	-	-
Bremen	little probable	probable	probable	probable
Hamburg	-	-	-	-
Hesse	little probable	probable	probable	highly probable
Mecklenburg-Western Pomerania	-	-	-	-
Lower Saxony	little probable	probable	highly probable	highly probable
North Rhine-Westphalia	little probable	probable	probable	highly probable
Rhineland-Palatinate	-	-	-	-
Saarland	probable	probable	highly probable	highly probable
Saxony	probable	probable	highly probable	highly probable
Saxony-Anhalt	probable	probable	probable	highly probable
Schleswig-Holstein	little probable	little probable	probable	probable
Thuringia	little probable	little probable	probable	highly probable
Faculty				
Architecture	little probable	probable	highly probable	highly probable
Civil engineering	little probable	probable	highly probable	highly probable
Electrical engineering and information technology	probable	highly probable	highly probable	highly probable
Geoinformation	improbable	little probable	little probable	probable
Infrastructure management	probable	probable	probable	highly probable
Mechanical engineering	little probable	probable	probable	highly probable
Industrial engineering and management	probable	probable	highly probable	highly probable

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Question 2 - In your opinion, is it plausible that the Federal Republic of Germany will be able to establish itself as a pioneer of carbon reinforced concrete construction in the medium and long term?

	Medium- to long-term 6 bis 10 a
DEU	
Total	probable
DEU - federal state	
Baden-Württemberg	highly probable
Bavaria	-
Berlin	highly probable
Brandenburg	highly probable
Bremen	highly probable
Hamburg	-
Hesse	highly probable
Mecklenburg-Western Pomerania	-
Lower Saxony	highly probable
North Rhine-Westphalia	probable
Rhineland-Palatinate	-
Saarland	little probable
Saxony	probable
Saxony-Anhalt	probable
Schleswig-Holstein	highly probable
Thuringia	probable
Faculty	
Architecture	probable
Civil engineering	probable
Electrical engineering and information technology	probable
Geoinformation	highly probable
Infrastructure management	probable
Mechanical engineering	probable
Industrial engineering and management	highly probable

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Question 3 - Please evaluate the research intensity of your institution by construction material of the last 5 years.

	Carbon reinforced concrete	Textil reinforced concrete	Steel reinforced concrete	Other
DEU				
Total	high	low	high	high
DEU - federal state				
Baden-Württemberg	low	low	low	high
Bavaria	high	high	very high	-
Berlin	low	low	low	high
Brandenburg	very high	low	high	high
Bremen	low	none	none	none
Hamburg	-	-	-	-
Hesse	high	high	very high	very high
Mecklenburg-Western Pomerania	-	-	-	-
Lower Saxony	low	low	very high	very high
North Rhine-Westphalia	high	low	high	very high
Rhineland-Palatinate	-	-	-	-
Saarland	high	high	very high	-
Saxony	very high	high	high	high
Saxony-Anhalt	low	high	high	very high
Schleswig-Holstein	low	low	high	-
Thuringia	-	none	low	very high
Faculty				
Architecture	high	low	high	very high
Civil engineering	high	high	low	high
Electrical engineering and information technology	high	low	high	very high
Geoinformation	low	low	low	low
Infrastructure management	low	high	high	very high
Mechanical engineering	very high	high	low	very high
Industrial engineering and management	very high	low	low	low

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Question 4 - What is the share of cooperation with other institutions in research projects of carbon reinforced concrete construction?

	National (economy)	National (science)	International (economy)	International (science)	No partners
DEU					
Total	high	high	low	low	low
DEU - federal state					
Baden-Württemberg	high	very high	high	high	low
Bavaria	very high	very high	low	high	-
Berlin	high	very high	high	high	low
Brandenburg	very high	very high	low	low	low
Bremen	none	very high	none	none	-
Hamburg	-	-	-	-	-
Hesse	high	high	low	low	low
Mecklenburg-Western Pomerania	-	-	-	-	-
Lower Saxony	low	low	none	none	very high
North Rhine-Westphalia	high	high	low	low	low
Rhineland-Palatinate	-	-	-	-	-
Saarland	very high	high	low	low	very high
Saxony	very high	very high	low	low	low
Saxony-Anhalt	very high	very high	low	none	-
Schleswig-Holstein	low	none	none	none	low
Thuringia	high	low	low	low	-
Faculty					
Architecture	high	high	low	low	low
Civil engineering	high	high	high	high	low
Electrical engineering and information technology	high	high	low	low	low
Geoinformation	none	low	none	none	very high
Infrastructure management	very high	very high	low	none	-
Mechanical engineering	very high	very high	low	-	low
Industrial engineering and management	very high	very high	low	none	low

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Question 5 - Please if you are aware, you would provide a proportional rata estimate of the sources that make up your budget for carbon reinforced concrete construction.

	EU	Federal government	Federal state	Companies	Other
DEU					
Total	low	very high	low	low	low
DEU - federal state					
Baden-Württemberg	low	very high	none	low	low
Bavaria	none	very high	very high	low	none
Berlin	low	very high	none	low	low
Brandenburg	none	very high	low	high	low
Bremen	none	very high	none	none	none
Hamburg	-	-	-	-	-
Hesse	none	very high	high	very high	-
Mecklenburg-Western Pomerania	-	-	-	-	-
Lower Saxony	none	high	none	high	none
North Rhine-Westphalia	none	high	low	low	low
Rhineland-Palatinate	-	-	-	-	-
Saarland	none	none	none	high	-
Saxony	low	very high	low	high	low
Saxony-Anhalt	none	high	none	high	none
Schleswig-Holstein	-	-	-	-	-
Thuringia	-	-	-	-	-
Faculty					
Architecture	low	very high	low	low	low
Civil engineering	none	high	high	high	none
Electrical engineering and information technology	low	very high	low	low	low
Geoinformation	-	-	-	-	-
Infrastructure management	none	high	none	high	none
Mechanical engineering	low	very high	none	low	low
Industrial engineering and management	low	very high	low	low	low

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Question 6 - Please indicate the importance of individual areas within your research projects on carbon reinforced concrete construction.

	Politics	Economy	Social issues	Technology	Law	Ecology
DEU						
Total	low	high	low	very high	low	high
DEU - federal state						
Baden-Württemberg	low	high	high	very high	low	high
Bavaria	low	low	low	very high	low	very high
Berlin	low	high	high	very high	low	high
Brandenburg	low	high	low	very high	high	high
Bremen	none	none	none	very high	none	none
Hamburg	-	-	-	-	-	-
Hesse	low	high	low	very high	low	high
Mecklenburg-Western Pomerania	-	-	-	-	-	-
Lower Saxony	none	low	none	very high	none	low
North Rhine-Westphalia	low	high	low	high	low	high
Rhineland-Palatinate	-	-	-	-	-	-
Saarland	low	very high	low	very high	none	very high
Saxony	high	high	low	very high	low	very high
Saxony-Anhalt	none	none	none	high	none	high
Schleswig-Holstein	-	-	-	-	-	-
Thuringia	none	none	none	very high	none	none
Faculty						
Architecture	low	high	low	very high	low	high
Civil engineering	low	high	none	high	low	high
Electrical engineering and information technology	low	high	low	very high	low	high
Geoinformation	-	-	-	-	-	-
Infrastructure management	none	none	none	high	none	high
Mechanical engineering	low	low	low	very high	none	high
Industrial engineering and management	low	high	low	very high	low	very high

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Question 7 - How much do you have to adjust your previous assessments, if the survey refers to textile reinforced concrete construction in general (carbon, glass and basalt fibre reinforced concrete construction, etc.)?

	Adaptation
DEU	
Total	low
DEU - federal state	
Baden-Württemberg	low
Bavaria	very high
Berlin	low
Brandenburg	high
Bremen	very high
Hamburg	-
Hesse	very high
Mecklenburg-Western Pomerania	-
Lower Saxony	low
North Rhine-Westphalia	low
Rhineland-Palatinate	-
Saarland	high
Saxony	low
Saxony-Anhalt	low
Schleswig-Holstein	none
Thuringia	high
Faculty	
Architecture	low
Civil engineering	low
Electrical engineering and information technology	low
Geoinformation	-
Infrastructure management	low
Mechanical engineering	low
Industrial engineering and management	high