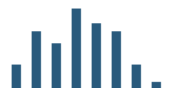




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# Pre-Commercial Procurement of Nano bitumen Lithuanian innovation center

Justė Rakšytė-Hoimian



# What is nano bitumen?

- Nano bitumen - a material used in road construction where polymers are replaced with organic nanoparticles.



# Problem examples of bitumen road covering

- └ Lack of tensile strength
- └ Moisture susceptibility
- └ Lack of stripping resistance
- └ Lack of Marshal stability
- └ Lack of rigidity
- └ Bad viscosity
- └ Fast ageing (decreasing structural, rheological, mechanical properties)



# Process of Pre-Commercial Procurement



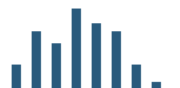
Defining the  
object  
(technical  
specification)

Is it R&D?

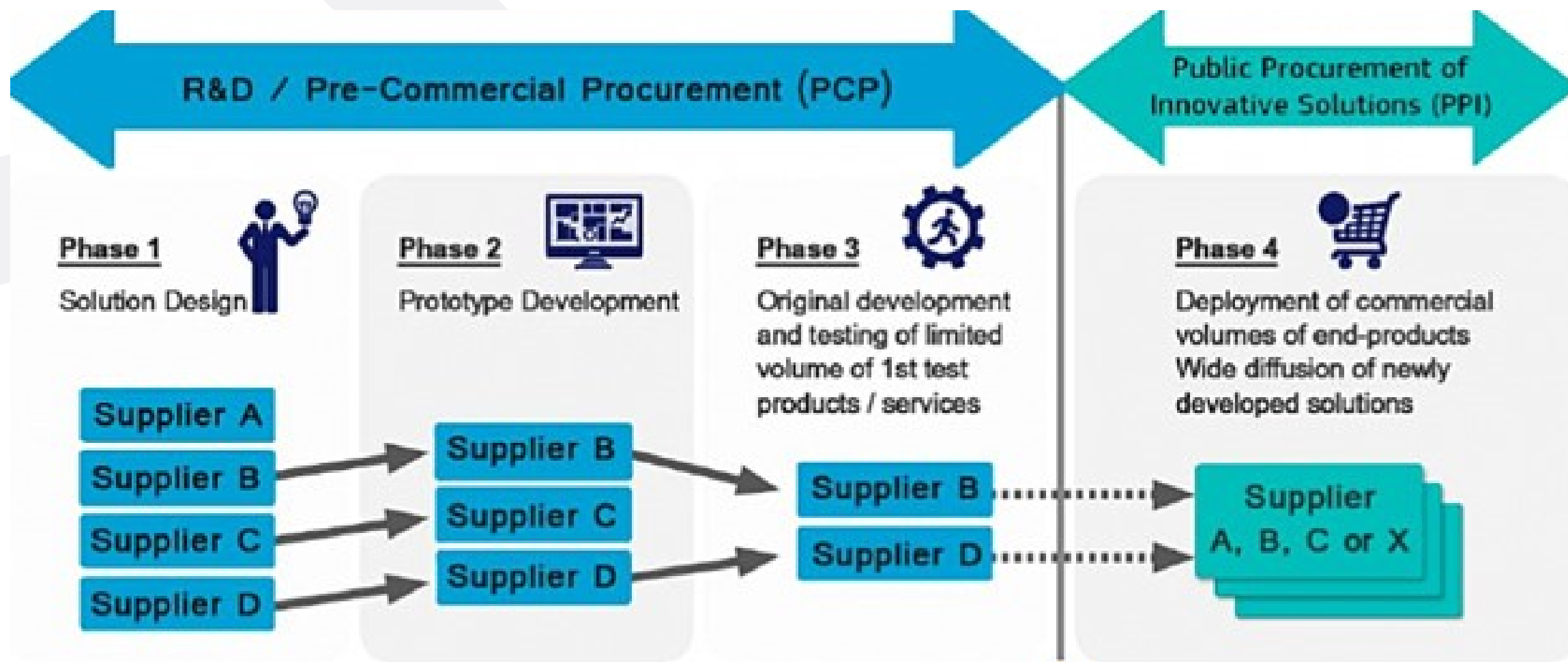
Application to  
the managing  
authority

Application to  
the Business  
support  
agency for  
funding

Funding  
agreement  
and actual  
procurement



# After the funding agreement: PCP scheme



# Challenges encountered

- Preliminary work with potential suppliers assures their participation;
- Clearly defined circular criteria must be outlined in terms and conditions;
- Suppliers attempting to offer their regular products as “circular” in order to take part in a circular procurement;
- It can be extremely difficult to convince potential “green technology” buyers that it pays off.



Thank you  
**j.rakstyle@lic.lt**



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**VšĮ Lietuvos inovacijų centras**

Mokslininkų g. 6A, LT-08412 Vilnius  
Tel.: +370 5 235 61 16 Faks.: +370 5 213 27 81  
[lic@lic.lt](mailto:lic@lic.lt)

