

# KFA

## The Info Center for Recycling of Asphalt

Increased used of RAP in Asphalt Production  
Summary from the Workshop

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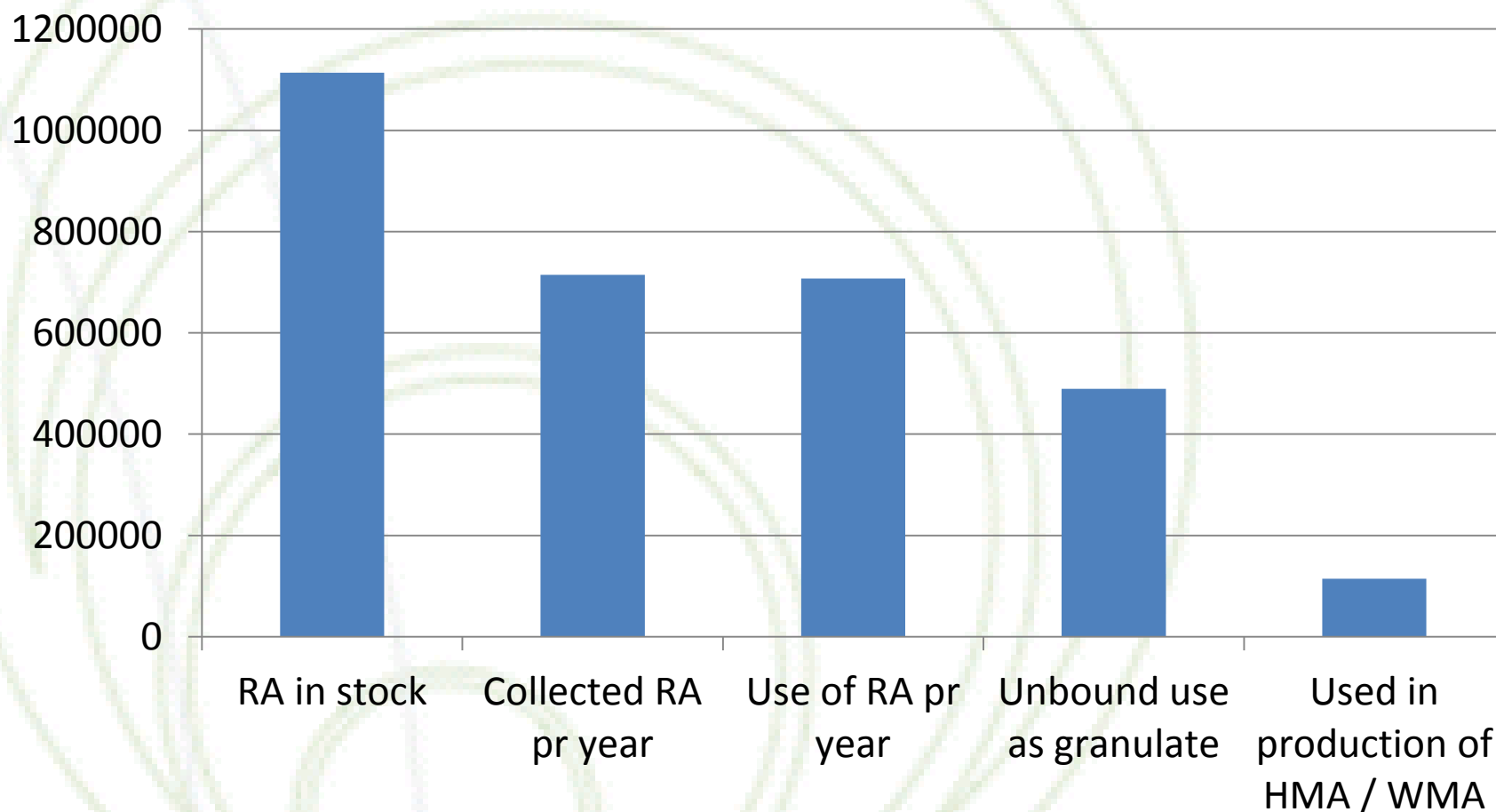
KFA is a voluntary association between the Norwegian Public Road Administration and the asphalt producers.

The KFA is financed by collecting a green fee on bitumen sold for the use in the road sector.

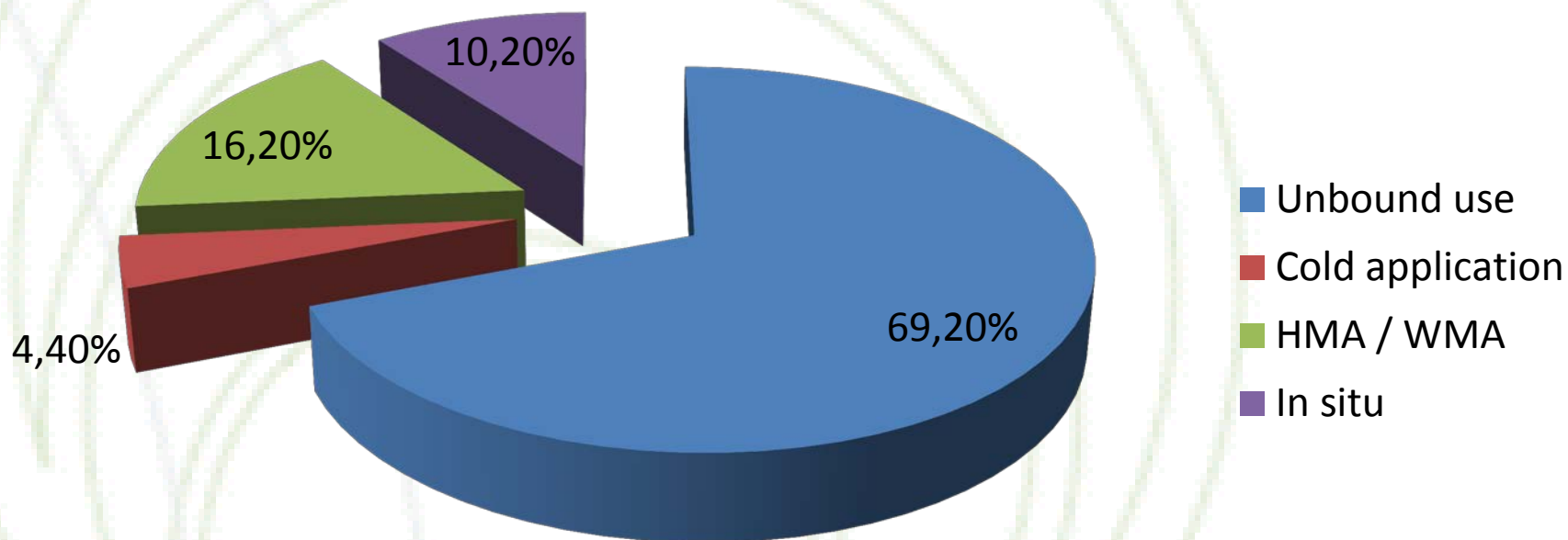
Veiteknisk Institutt is given the responsibility of operating and monitoring the KFA agreement.

<http://www.asfaltgjenvinning.no>

# Use of RA – average per year 2010-2013



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# Work Shop, Oslo 24. March 2015

Why is the proportion of reuse in new asphalt so low ?

What is needed to increase this percentage ?

What are the biggest obstacles to increased reuse ?

Is it possible to establish a system for better collecting and control of milling masses ?

# Everything goes in the same stockpile

The Norwegian guidelines are adapted to the European standards of EN 13108 series



At high RA content it will be important that the asphalt producers can document that the RA materials meet the same requirements as the new raw material used in asphalt.

Asphalt from heavily trafficked road, with good stone material and binder should be used in new asphalt and not for reinforcement and edge filling

We must take care of good raw materials.  
RA of known asphalt surface with good quality should be handled separately and used in new high-grade asphalt

Asphalt with PMB should be reused in new asphalt with PMB

Milled asphalt coming from highly trafficked roads may only contain raw materials that meet the requirements of asphalt on the same type of roads and should therefore be used in asphalt production for highly trafficked roads without further testing.



- Work for increased use of separate stock piles for different quality of RA (High traffic roads, PMB's)
- A guide for manufacturers with information about claims and regulations
- An information circular to customers (other than NPRA) about use of RA in asphalt production
- Field trials – RA on high traffic roads (2016: PMB)
- Testing on the new pavement instead of raw materials (RA)

**Now begins the future of recycling of asphalt in Norway**



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