

Title of the operation:

Development of easy-to-use methods for checking quality standards along the carrot supply chain

Possible attribution to RFO-Topics (priority) und Sub-Themes:

RFO-Topic 2: Promoting innovations and flexibility of SMEs in food chains in fast changing markets and legal environment

- Sub-themes 2.2: Technology and knowledge transfer from research organisations to SMEs;

RFO-Topic 3: Improvement of integrated food safety and monitoring systems in international food chains

- Sub-theme 3.3: Supporting monitoring systems in complex supply chain scenarios

Details:

Particular problems to be addressed:

- Non-availability of easy to use methods at points of the carrot pre-harvest and post-harvest food chain for checking standards that are critical for ensuring an optimal quality at the point of sale.
- Unsatisfactory chain management between POS and grower.
- Inproper handling of carrots and infrastructure along the food chain for fresh consumption and industrial processing.
- Contamination of soils with various pathogens (e.g. *Chalara sp.*, *Thielaviopsis basicola*).

Target Groups: Supply chain SMEs, quality management organisations, soil analyses laboratories, extension services, growers, consumers, retailers, wholesalers.

Benefits: Improved carrot quality at the POS, reduced storage losses, improved skills of the supply chain with regard to an efficient quality management, improved attribution of the reasons for insufficient quality to elements of the supply chain, competitive supply chain (storage, processing and packing houses, quality management organisations, involved SMEs, retailers, ...)

Output:

Methods for an optimal supply chain management of high quality, safe fresh and industrial carrots, including improved storage protocols.

Availability of diagnostic services for soil contamination with carrot quality pathogens (*Chalara sp.*, *Thielaviopsis sp.* etc.).

Partner found already in the region

Growers, SMEs (storage, packing, processing), extension services

Partner found in other regions

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Partner searched for

North Rhine-Westphalia (NRW) (Germany); Gelderland (The Netherland), also Italy or France

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