

# PANORAMA

Thematic portfolio



➤ Pastoralism and  
sanitary challenges

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# PERSPECTIVES

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# AROUND THE WORLD

## AROUND THE WORLD

## Establishment of a PPR vaccine bank for Africa

### Component 1 of the VSPA project

#### KEYWORDS

#Africa, #African Union Panafrican Veterinary Vaccine Centre (AU-PANVAC), #Botswana Vaccine Institute (BVI), #eradication, #peste des petits ruminants (PPR), #vaccine bank, #Vaccine Standards and Pilot Approach to PPR Control in Africa (VSPA)

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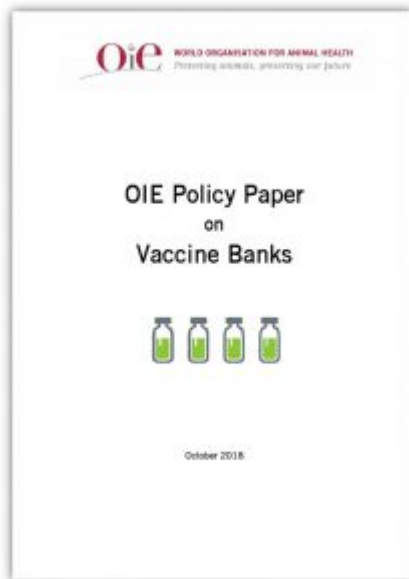
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Vaccination of small ruminants in Burkina Faso © OIE/J.Domenech

*The establishment of a peste des petits ruminants (PPR) vaccine bank in Africa was one of the objectives (component 1) of the VSPA project. The conclusion was that a vaccine bank of this kind is indispensable if the implementation of a PPR control and eradication programme is to be successful.*



In 2012, following an OIE international call for tender for the first component of the VSPA project, the Botswana Vaccine Institute (BVI) was chosen to supply the vaccines for the 'PPR Vaccine Bank for Africa'.

Composed of **freeze-dried modified PPR75 virus** to protect small ruminants (sheep and goats) against PPR, these vaccines are packaged in vials of 100 doses.

*The OIE Policy Paper on Vaccine Banks outlines five guiding principles that drive the management of OIE Vaccines Banks. It clarifies the role of and the responsibility of the OIE, but also of the countries benefiting from the mechanism.*

## Results

A total of 14 million doses of PPR vaccine and the corresponding quantities of vaccine diluent were made available to the following four countries: Burkina Faso, Ghana, Mali and Togo. The World Bank has confirmed the value of the PPR Vaccine Bank in Africa and direct purchase by the countries concerned.



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e in Ghana ©OIE/J.Domenech

The main benefits of the PPR Vaccine Bank demonstrated by the programme were the following:

1. the management of regional vaccine banks by a standard-setting organisation, such as the OIE, ensures that vaccines supplied to the countries concerned are of high quality and comply with intergovernmental standards (internationally renowned and recognised experts on the *ad hoc* selection committee evaluating the tenders received);
2. a reduction in the risks associated with storing large quantities of vaccine in potentially sub-optimal conditions, since the burden of storage lies with the selected vaccine supplier(s) rather than the purchasing countries. Moreover, the virtual stock replenishment mechanisms ensure that purchased vaccines do not expire before use (shelf life of the delivered vaccines);
3. fluid logistics are ensured: the timely dispatch of emergency stocks in line with field needs, possible delivery of relatively small quantities, easy procurement and delivery systems, easy customs clearance (international aid), virtual stocks, production on demand, the burden of storage lies with the selected vaccine

supplier(s) rather than the purchasing countries;

4. cost incentives (economies of scale, one call for tender only and contract for large quantities resulting in reduced fixed costs), better coordination (e.g.harmonisation and coordination of regional control programmes, support for multi-party vaccination campaigns, public–private partnerships), strong synergies and leverage effects.

Based on the positive outcomes of this project and the proven value of the PPR Vaccine Bank, two new vaccine suppliers were selected to continue to support PPR control efforts in West Africa. Through the World Bank Group funded Regional Sahel Pastoralism Support Project (PRAPS), the OIE launched a new international call for tender in 2016. Since its establishment and as at 30 August 2018, through the OIE PPR Vaccine Bank for Africa **50 million vaccine doses have been delivered, with an extra 38 million planned for 2018.**

## Acknowledgments

The VSPA project was implemented with the strong involvement of many professionals, including the authorities of Ghana and BurkinaFaso and particularly the Veterinary Services authorities (Lassina Ouattara, Joseph Savadogo, Philipp K.B.Salia, Stephen Ockling, Germaine Minoungou, Amadou Dicko and Joseph Awuni) and their teams, OIE Bamako and Headquarters staff (Daniel Bourzat, Yacouba Samake, Joseph Domenech and Alain Dehove), AU–PANVAC staff (Karim Tounkara, Nick Nwankpa and Charles Bodjo), CIRAD researchers (Renaud Lancelot, Fanny Bouyer, Marisa Peyre, David Chavernac, Pachka Hammami and Geneviève Libeau), vaccine-producing laboratories staff, an independent expert (Pierrette Mefomdjo) and the donor, the Bill & Melinda Gates Foundation, deserves special mention.

We should like to take this opportunity to pay tribute to the role played by Daniel Bourzat, who passed away on 18 August 2017. With his great experience of livestock farming in the Sahel, he was the linchpin of the pilot strategy to combat PPR in West Africa.

<http://dx.doi.org/10.20506/bull.2018.2.2880>

[Additional information on vaccine banks](#)

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