

## The future of pastoralism

Edited by: J. Zinsstag, E. Schelling & B. Bonfoh

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This issue of the *Scientific and Technical Review* discusses human and animal health services and the added value of improved collaboration between the two under a 'One Health' approach. It provides a vision for the sustainable use of pastoral ecosystems, providing innovative ideas for livelihoods, economic development, sustained ecosystem services, animal health management and social and institutional development.

Two-thirds of the world's agricultural land is grassland. Most of the semi-arid and high-altitude ecosystems are not suitable for growing crops, either because these areas have limited rainfall or because the terrain is mountainous, so they are predominantly used for various types of mobile livestock husbandry systems. Such systems are the only way that these grasslands can become a source of human nutrition, as humans cannot digest grass cellulose. Extensive pastoral livestock production is, therefore, the most productive use of these lands. Moreover, in addition to providing food for both humans and animals, pastoral livestock production absorbs carbon and sustains livelihoods that could not be maintained in any other way in these areas.

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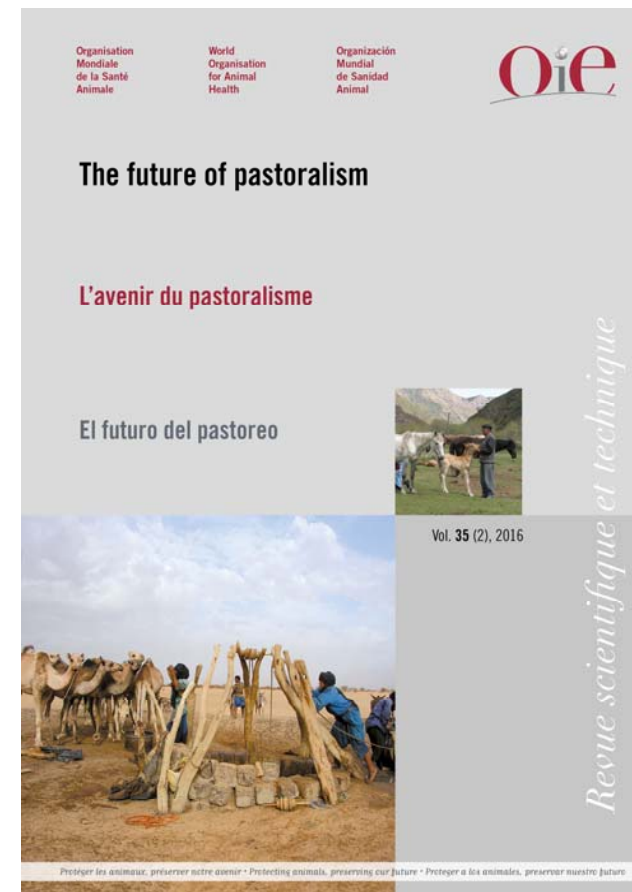


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## The future of pastoralism

## L'avenir du pastoralisme

## El futuro del pastoreo



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### The future of pastoralism

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Protéger les animaux, préserver notre avenir • Protecting animals, preserving our future • Proteger a los animales, preservar nuestro futuro

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J. Zinsstag, E. Schelling & B. Bonfoh

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## L'avenir du pastoralisme

Edité par : J. Zinsstag, E. Schelling & B. Bonfoh

*Revue scientifique et technique*, Vol. 35 (2), août 2016

Ce numéro de la *Revue scientifique et technique* aborde la question des services de santé animale et des services de santé humaine et met l'accent sur la valeur ajoutée d'une collaboration accrue entre les deux secteurs, dans une démarche « Une seule santé ». Il propose des options d'utilisation durable des écosystèmes pastoraux, en présentant des idées novatrices concernant l'amélioration des moyens d'existence des populations, le développement économique, la préservation des services écosystémiques, la gestion de la santé animale et le développement social et institutionnel.

Les deux tiers des terres agricoles de la planète sont des pâturages. La plupart des écosystèmes semi-arides et des écosystèmes d'altitude étant impropres aux cultures, les uns à cause de leur faible pluviométrie, les autres à cause du relief montagneux, c'est principalement un mode d'élevage mobile, sous différentes formes, qui y est pratiqué. Comme le système digestif humain n'est pas capable d'assimiler la cellulose contenue dans l'herbe, il n'y a que grâce à l'élevage qu'une prairie peut constituer une source de nutriments pour l'homme. Le pastoralisme extensif est donc la manière la plus productive d'utiliser ces terres. D'autre part, en plus de nourrir les humains et les animaux, l'élevage pastoral absorbe le carbone et fournit un revenu de subsistance à des populations qui ne pourraient survivre autrement dans ces régions.

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## El futuro del pastoreo

Editado por: J. Zinsstag, E. Schelling & B. Bonfoh

*Revista científica y técnica*, Vol. 35 (2), agosto de 2016

En este número de la *Revista científica y técnica* se examinan los servicios de tipo sanitario y zoonosanitario, así como el valor añadido que se deriva de una mejor colaboración entre ambos gracias a los planteamientos de «Una sola salud». Esta publicación vehicula un proyecto de uso sostenible de los sistemas pastorales, aportando ideas innovadoras en materia de medios de vida, desarrollo económico, servicios ecosistémicos duraderos, gestión zoonosanitaria y desarrollo social e institucional.

Dos tercios de las tierras agrícolas del mundo están ocupadas por pastos. Ya sea porque están en zonas de escasa pluviosidad o porque se trata de terrenos montañosos, los ecosistemas semiáridos y de altitud son en su mayoría inadecuados para el cultivo, y por ello están dedicados sobre todo a diversos sistemas de ganadería móvil. Esta es la única forma en que tales pastos pueden servir para la alimentación humana, toda vez que el hombre no puede digerir la celulosa presente en la hierba. Por consiguiente, el uso más productivo que puede darse a esas tierras es la producción ganadera extensiva por pastoreo. Por otro lado, además de proporcionar alimento a personas y animales, el pastoreo absorbe carbono y ofrece un sustento que en esas zonas no cabe procurarse de ningún otro modo.

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