



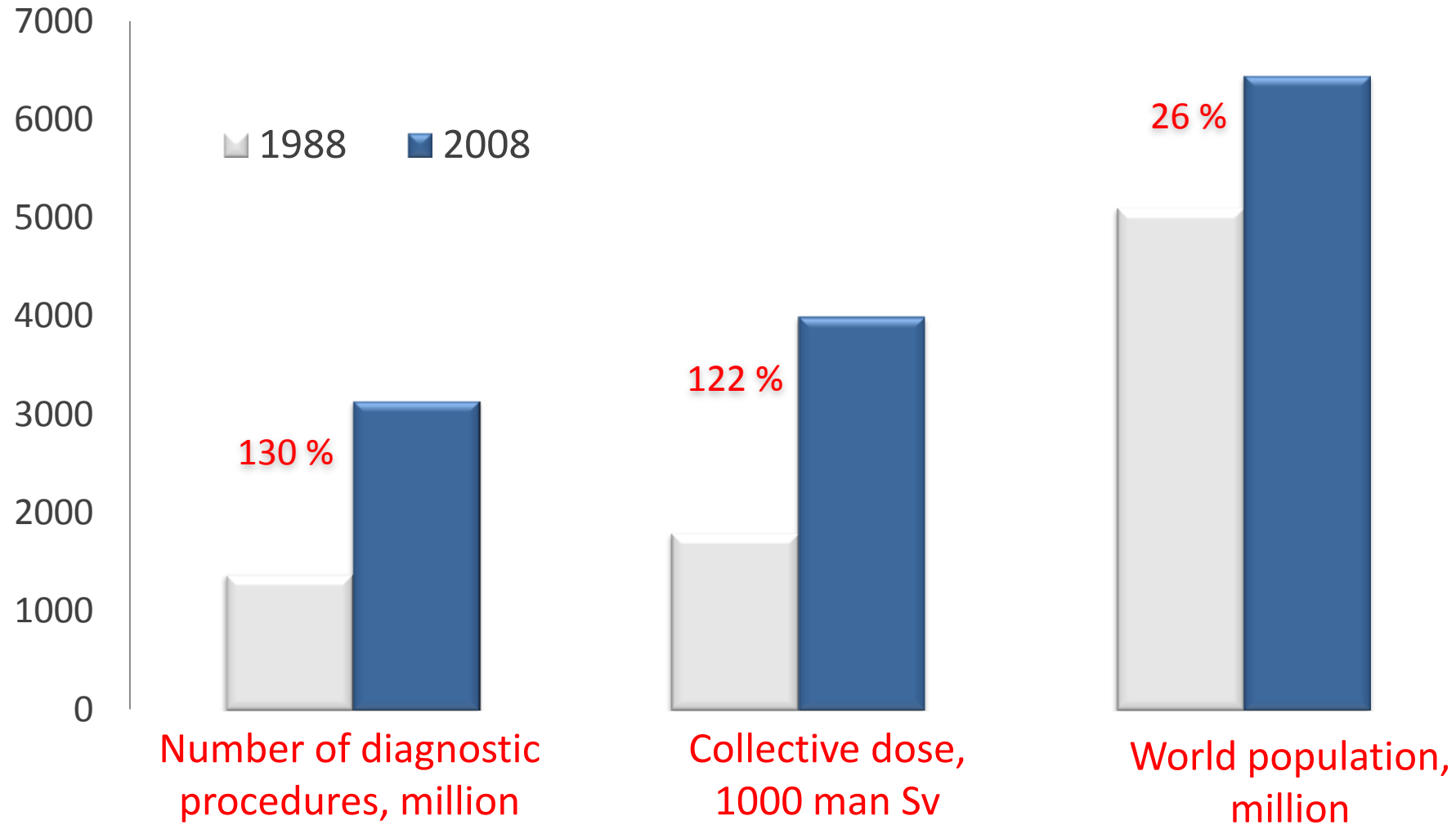
Bonn Call for Action Afrosafe Rad and Arabsafe campaigns

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Global increase in the use of radiation



* UNSCEAR 2008 Report

Benefit must outweigh risk

Radiation saves lives



Radiation can cause harm

Short-term effects (deterministic)



Long-term effects (stochastic)

- Carcinogenesis
- Hereditary effects
- Effects in the embryo/foetus



Respective roles and issues

Referring physicians

- Clinical context, medical history
- **Defensive medicine**



Radiological practitioner

- Knowledge about procedure – benefits, risks, limitations
- **Financial conflict of interest**



“Request for consultation” *versus*
“order/instruction to perform”

Referral guidelines / criteria of appropriateness

..shall be carried out through consultation between the radiological medical practitioner and the referring medical practitioner,

Challenges



- The advances in health technology continue opening new horizons for the **applications of ionising radiation** in health care .
- This has resulted in an increase in the number of medical procedures, professionals and patients involved, and in the need for **structured strategies and a holistic approach** .
- The **safety and the quality** have to be embedded into policies, processes and institutions.
- This, which represents at the same time a challenge and an opportunity, can be achieved with **good leadership, robust planning and strategic investment**.



Bonn Call for Action (2012-2022)



- **The Bonn Call-for-Action**, joint position statement with WHO, highlights **ten main actions, and related sub-actions**, that were identified as being essential for the strengthening of radiation protection in medicine over the next decade.
- In 2017 the mid point was reached



BONN CALL FOR ACTION
10 Actions to Improve Radiation Protection
in Medicine in the Next Decade





Bonn Call for Action



1. Enhancing implementation of **justification** of procedures
2. Enhancing implementation of **optimization** of protection and safety
3. Strengthening **manufacturers contribution** to radiation safety
4. Strengthening RP **education and training** of health professionals
5. Shaping & promoting a strategic **research agenda** for RP in medicine
6. Improving **data collection on radiation exposures** of patients and workers
7. Improving primary **prevention** of incidents and adverse events
8. Strengthening radiation **safety culture** in health care
9. Fostering an improved radiation **benefit-risk-dialogue**
10. Strengthening the implementation of **safety requirements** (BSS) globally

http://www.who.int/ionizing_radiation/about/14-2649_bonncallforaction.pdf?ua=1
<https://rpop.iaea.org/RPOP/RPoP/Content/News/bonn-call-for-action-joint-position-statement.htm>

Championing radiation safety

- All over the world, there has been a rallying call for radiation health workers to adhere to the principles of radiation protection and radiation safety related to the implementation of **the 10 actions of the Bonn call for action**.
- This has led to numerous successful campaigns such as Image Gently and Image Wisely , Eurosafe , Japansafe, Latinsafe, Canadasafe
- Afrosafe Rad, Arabsafe.....



ISRQSA



- the ISR formally established the Quality and Safety Alliance (ISRQSA) in 2016.
- The Global Alliance for Quality and Safety has been established to provide a platform for exchange and collaboration for the various continental and regional safety
- This Alliance is under the umbrella of the ISR with a body consisting of representatives of continental/national campaigns as [Afrosfe Rad](#) and [Arabsafe](#)



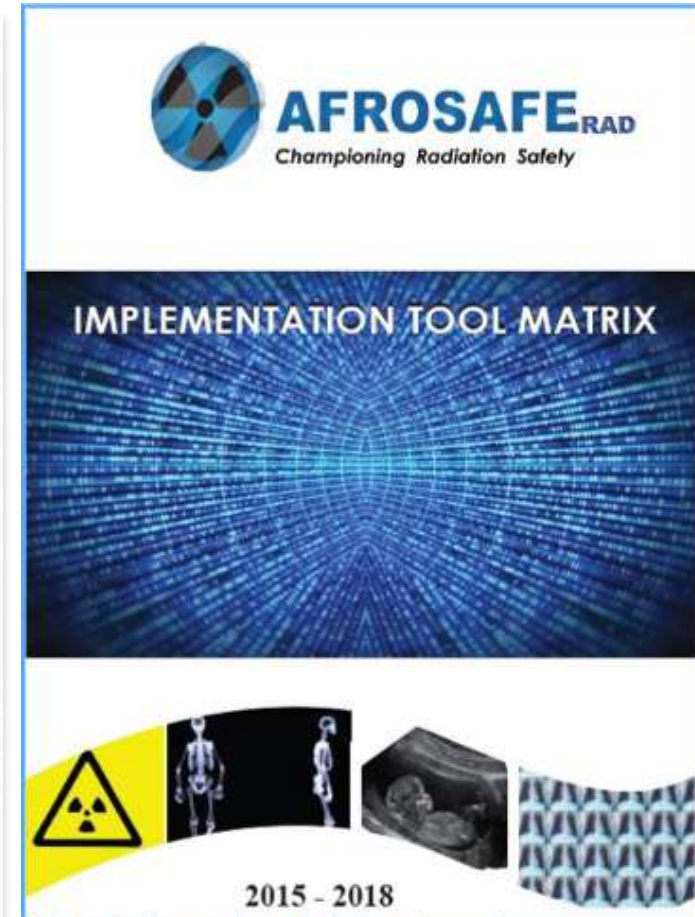


AFROSAFE_{RAD}

Championing Radiation Safety

- IAEA-WHO Bonn Call for Action (2012)
- 2017 mid term of the call

- Translation of the IAEA-WHO Bonn Call for Action into an African perspective
- Developed on 1995 (Pacori congress)
- Under the umbrella of the ASR





❖ MISSION :

➤ Ensure that **the benefits outweigh the risks** for all medical radiation exposures .

❖ GOAL :

➤ All radiation-based procedures are **appropriate, justified and optimized** .

❖ VISION :

➤ All radiation-based medical procedures in Africa are **beneficial**.

Launch of Afrosafe Rad chapters

- ❖ Kenya (2015)
- ❖ Uganda (2015)
- ❖ French speaking countries (2016)
 - Algeria, Benin, Cameroun, Cote d'Ivoire, Marrocco,
 - Mauritania, Senegal, Tunisia
- ❖ Tanzania (2017)
- ❖ South Africa (2018)
- ❖ Ghana (2019)
- ❖ Nigeria (2019)
- ✓ **Work in progress**





ARABS SAFE



- During the Pan Arab Association of Radiological Societies (PAARS) congress organized in Marrakech (Morocco), from 4 to 5 May 2017, **ARABS SAFE** was launched during the opening ceremony
- With the participation of the presidents and representatives of the Arab Societies of Radiology present at the meeting: **Algeria, Egypt, Kuwait, Lebanon, Morocco, Mauritania, Jordan, Palestine, Bahrain , Qatar , UAE, Saudi Arabia, Tunisia, Yemen.**

Next : Oman



ARABSAFE



- **Vision:**

- Establishing a radiation **safety culture** among Arabic speaking countries.

- **Mission:**

- To ensure the **appropriate use of radiation** in medicine.

MEMBERSHIP

- ❖ Membership : North Africa / Middle East
- ❖ Link : Arabsafe/Afrosafe
- [Algeria, Egypt, Libya, Mauritania, Morocco, Sudan, Tunisia](#)
- ❖ [A collaborative approach](#) is an opportunity to develop [a strategic approach to implement a structural reform](#) to improve safety and efficiency of medical imaging

Actions and Results

❖ Action 1: justification

- ✓ Implementation of CIG's
 - Algeria, Cameroon Egypt ,ivory coast , Kenya, Uganda, South Africa ,Saudi Arabia, UAE, Tanzania, Tunisia , and Ghana
- ✓ CDS/Iguide :
 - Egypt, Tunisia,Uganda(work in progress..)

❖ Action 2: optimisation

- DRL's : Egypt, South Africa, Nigeria, Kenya, Uganda , UAE, Saudi Arabia Algeria

❖ Action 4: training

- RP session Scientific societies 2016,2017,2018.2019
- ASR, PAARS,ISR,RSNA, ESR,SFR,FMR.....

❖ Action 6 :global information

- Ghana . Egypt, Algeria, UAE, Saudi Arabiaindividual and collective dose record

How will AfroSafe Rad/Arabsafe be achieved?

- Logical framework approach:
 - Implementation of the actions will be carried out at a **national and regional level record keeping**
 - Adherence of more champions
 - Gathering of **Specifics of individual approach** related to mission, geographic representation, leadership, strategic plan, business model, relationship to health authorities, and communication strategies .



STRATEGY

- **Systematic approach** considering the implementation of the campaigns in one cultural and organisational setting for application in a different context.
- **Adaptation** may be undertaken by champions with a strong support of stakeholders , approach suitable taking in consideration human, technical and financial resources available



STRATEGY

- **Changing the way of the professionals operate** is vital to meet current safety health challenges, considering that people, and therefore healthcare organizations, are inherently resistant to change.
- To deal with the growing demand for the safety policy, radiation protection measures needs to be better **integrated with other healthcare services**, helping to improve ordering behaviors, manage demand on services and ensure the results lead to better patient care.
- **Political will, scaling up and empowering** human resource ,professional collaborations are essential.



Conclusion



- The success of any campaign depends on taking into consideration the **peculiarities and specificities of each country as the culture and the language** in order to ensure a good dissemination with a balanced distribution of burdens between countries at the regional level.
- Thus AFROSAFE Rad and ARABS SAFE campaigns offers an opportunity of **promotional continuity of the radiation protection** in the global approach and the ASR /PAARS remains the appropriate space to ensure such a load because implying all the scientific societies taking care to integrate all the health professionals ..
- **AFROSAFE Rad /ARABS SAFE** have to be strengthened and enforced by realistic and practical perspectives
- **Work in progress.....**

THANK YOU!



Arab Safe

Promoting Radiation Safety



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Championing Radiation Safety

