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| **TIME CODE** | **VIDEO** | **AUDIO** |
| 00:00:00 |  | Ambient noise and music |
| 00:05:04 |  | **CESÁRIA:**  I believe that human species can flourish without destroying our planet. We've learned throughout the years that we need natural resources in order to live. We are now looking to create sustainable industries, mainly by thinking about local communities that can benefit from economic growth and also guarantee the conservation of the environment. |
| 00:42:08 | **GRAPHIC: Title**  WILD HOPE  Guano Gold |  |
| 00:48:21 | **LOWER THIRD:**  Cesária Huo Biologist | **CESÁRIA:**  Since I was a child, I have always loved natural sciences. It has always been one of my favorite subjects. I'm a young Mozambican woman, from Maputo, I have a degree in biology education.  For me, being a scientist means being at the forefront in discovering knowledge. And I chose biology because I love nature. And it makes me particularly happy to be able to do so in my own country. |
| 01:26:22 | **GRAPHIC:** Gorongosa Map | **NARRATOR:**  CESÁRIA HAS COME 500 MILES FROM HER HOME IN THE NATION’S CAPITAL TO STUDY IN ONE OF THE WILDEST PLACES ON EARTH: GORONGOSA NATIONAL PARK. |
| 01:39:00 |  | **NARRATOR:**  OVER THE PAST 20 YEARS, THIS 1500 SQUARE MILE WILDERNESS HAS BEEN LARGELY RESTORED BY ONE OF THE MOST EFFECTIVE CONSERVATION EFFORTS IN HISTORY.  ITS SUCCESS STEMS LARGELY FROM AN APPROACH THAT FOCUSES NOT ONLY ON WILDLIFE, BUT ON THE COMMUNITIES THAT LIVE BESIDE IT.  NOW, CESÁRIA IS PART OF AN INITIATIVE THAT AIMS TO BALANCE CONSERVATION AND COMMERCE.  IT ALL HINGES ON AN UNLIKELY PRODUCT THAT COMES FROM A SURPRISING SOURCE: BATS. |
| 02:23:05 |  | **CESÁRIA:**  Personally, I like bats because they belong to a group of animals that plays so many important roles in the ecosystem but we still know so little about them. |
| 02:43:03 |  | **PIOTR:**  Gorongosa has large populations of bats. It has an extensive network of caves where those bats live. |
| 02:52:06 |  | **NARRATOR**:  PIOTR NASKRECKI IS A BIOLOGIST WHO’S SURVEYING THE PARK’S ASTONISHING BIODIVERSITY. HE’S ALSO CESARIA’S PROFESSOR, AND SUPPORTS HER WORK STUDYING THE PARK’S BATS. |
| 03:07:24 |  | **PIOTR:**  She is a phenomenal young scientist, and she is literally the first African scientist who is studying social communication in bats. |
| 03:18:18 |  | **NARRATOR:**  BUT THESE BATS AREN’T JUST OF INTEREST TO SCIENCE. OTHERS ARE SEEKING SOMETHING THEY PRODUCE: THEIR DROPPINGS. |
| 03:28:16 |  | **PIOTR:**  Bat guano is sought after across the world as an organic fertilizer. |
| 03:35:21 |  | **NARRATOR:**  HARVESTING THE GUANO COULD PROVIDE IMPORTANT INCOME TO PEOPLE WHO LIVE NEAR THE PARK— BUT IT COULD ALSO ENDANGER SOME OF THE RARE SPECIES THAT LIVE IN AND AROUND GORONGOSA. CESARIA HOPES TO FIND A MIDDLE GROUND WHERE DEVELOPMENT IS LED BY SCIENCE. AND SHE AIMS TO DO SO WITH A COMPANY CALLED GUANO MOZ. |
| 04:05:00 |  | **MULWELI:**  Guano Moz is a Mozambican company, dedicated to the extraction, production and distribution of guano. One of the great advantages of guano, being an organic and biological fertilizer, is that it has "slow release properties”. When applied to the soil, guano lasts long. Contrary to synthetic fertilizers that can disappear with rain and can contaminate the soil. |
| 04:41:23 |  | **NARRATOR:**  GUANO IS VALUABLE BECAUSE IT IS HIGH IN NUTRIENTS THAT ENRICH THE SOIL. IT ALSO HAS MICROORGANISMS THAT HELP BREAK IT DOWN, ALLOWING CROPS TO ABSORB THESE NUTRIENTS MORE EASILY. GUANO MOZ IS HOPING THAT GORONGOSA HAS THE RIGHT KIND OF BATS, AND PLACES WHERE IT CAN BE SUSTAINABLY HARVESTED. |
| 05:0715 |  | **MULWELI:**  In our project, we are looking for bats who feed on insects because they end up producing better manure. |
| 05:17:13 |  | **MULWELI:**  We are going to visit the caves in order to identify what species of bats are there and with that evaluate their guano quality as well as its quantity in those caves. |
| 05:33:19 |  | **NARRATOR:**  TOGETHER, THEY’VE TARGETED CAVES IN A REMOTE AREA JUST OUTSIDE THE PARK KNOWN AS CHERINGOMA. IT’S A COMMUNITY CONSERVATION AREA BELONGING TO THE GREATER GORONGOSA ECOSYSTEM. AND IT’S  KNOWN FOR HAVING THE LARGEST GUANO RESERVES IN THE COUNTRY. CESARIA AND HER TEAM WILL SURVEY THE CAVES TO DETERMINE WHICH MAY BE SUITABLE FOR HARVESTING TECHNIQUES THAT WON’T ENDANGER THE UNIQUE PLANTS AND WILDLIFE. |
| 06:04:05 |  | **CESÁRIA:**  We must avoid, not only disturbing the colonies, but their habitat itself.  We were able to collect bats like the Trianops afer, a very cute orange insectivorous bat, as well as a fructivorous bat, the Rosetus aegyptiacus. I also collected another insectivorous bat, the Macronycteris vittata. Our work, as scientists, is to collect the existing species' data, learning about their biology, and recommend the best procedures for the resources' extraction. |
| 06:58:19 |  | **MULWELI:**  Cheringoma's guano, specifically, not only is it more abundant, but it is also of better quality from the one we've explored before. |
| 07:12:24 |  | **NARRATOR:**  THE INSECT-EATING BATS HERE CONGREGATE IN LARGE ENOUGH NUMBERS FOR THEIR GUANO TO BE HARVESTED SUSTAINABLY. THAT MEANS THE COLLABORATION BETWEEN GUANO MOZ AND GORONGOSA NATIONAL PARK HAS A REAL CHANCE TO PROVIDE JOB OPPORTUNITIES FOR THE LOCAL COMMUNITY. |
| 07:54:17 |  | **MULWELI:**  The extraction will be done by local young people, both men and women. In Cheringoma, in particular, we'll have a policy of having at least 50% women. And this was a request from the community  itself. |
| 07:52:20 |  | TODAY, THE UNLIKELY ALLIANCE IS B R I N G I N G N E W H O P E F O R SUSTAINABLE ECONOMIC GROWTH IN THIS REMOTE REGION.  A L L W H I L E P R O T E C T I N G T H E CREATURES T H AT L I V E H E R E — INCLUDING SOME THAT LIVE NOWHERE ELSE ON EARTH. |
| 08:07:15 |  | **CESÁRIA:** I am hopeful that this collaboration between the Gorongosa National Park and Guano Moz will benefit the communities and also become an excellent example of how sustainable solutions can ensure economical growth and benefit our planet. It can become a national and international example of sustainable solutions based on nature. |