



No municipality or city can call itself “developed” even with fully-employed citizens if it lacks the most basic services — clean water, fresh air, and productive soil.

Healthy watersheds are essential for sustainable cities to have food, water and safe shelter. Yes, we need to heighten the standard of our living of Mindanaons but doing so at the expense of our diminishing essential resources, health and future is no longer acceptable.

We do not need another disaster to remind us and make the same mistake again. Mindanao can and should protect its watersheds if we, and future generations, are to ever enjoy clean water for drinking, have food security through bountiful agricultural harvest, and live in safe places with natural landscapes regulating temperature and pollution.

The threats come in different forms from unsustainable agricultural practices to plastic waste accumulation. We need to address these threats to protect that which is important to us.

Clean water, healthy watersheds for South Central Mindanao.



**INTERFACING  
DEVELOPMENT  
INTERVENTIONS FOR  
SUSTAINABILITY**  
CLEAN WATER. HEALTHY WATERSHEDS.

*Interfacing Development Interventions for Sustainability (IDIS), Inc. is registered with SEC as Interface Development Interventions, Inc. and is in the process of amending it's name.*



SOUTH CENTRAL  
MINDANAO

On its 20th year, IDIS is expanding its policy advocacy work on sustainable watershed management from Davao City to South Central Mindanao.

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CALENDAR  
2020



For one of the country's highly urbanized cities, **Davao City still has 60% of its areas devoted to forests and agriculture.** With massive urbanization however, at least 1000 tons of solid waste\* is generated by 1.6 million residents every day. Less than 30% of this is collected by the City Government.

Waste generated has polluted water bodies (killing marine animals and other species and threatening bioaccumulation in our fish stocks) and threatens citizen's health through air pollution (with City Government's Waste to Energy facility planned to be set up near school and residential area). At the same time, infrastructure development continues to reduce Davao City's remaining green spaces in its urban center. This makes living conditions for citizens less favorable, with urban heat island effect, poor air quality and flooding. Amidst the development in the city center, communities living in upland areas remain least priority and are yet to benefit from the water and biodiversity they protect in watershed conservation areas.

*If the Green City of the South is to retain its pride of being the City of Life, it has to ensure it is not over extracting finite resources and causing irreversible damage to its citizens in the name of development.*

\*SOURCE: CENRO 2018 DATA

# GREENER DAVAO CITY



## CHALLENGE

IDIS advocates for the strict implementation of both the Ecological Solid Waste Management Act (RA 9003) and the Davao City Ecological Solid Waste Management Ordinance of 2009 (City Ordinance No. 0371-10) which would render the City Government's plan to set up a waste-to-energy (WTE) facility unnecessary.



## JANUARY

## FEBRUARY

S	M	T	W	T	F	S
		1 New Year's Day	2	3	4	
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### Environmental Activities and Celebrations

January - National Zero Waste Month

February 2 - World Wetlands Day



The city of palms is predominantly still agricultural but is poised to become a future megacity in Mindanao.

With only a quarter of a million residents, Tagum is still on track to pursue urban development that is sustainable, learning from Philippine cities that now suffers the congestion, pollution and food insecurity due to poor development planning and decision making in terms of natural resources and land use.

Serious in its pursuit of resiliency while addressing climate change impacts, it is proactive and strong in regulating development. It prepares for climate change impacts such as flooding and sea level rise as it anticipates prolific infrastructure development and fast migration from adjacent and neighboring areas in the region.

# TAGUM CITY'S CLIMATE RESILIENCE



### CHALLENGE

IDIS has partnered with Tagum City LGU in promoting sustainable urban practices through the annual Urban Development Summit involving various private and public stakeholders.

## MARCH

## APRIL

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5	6	7	8	9 Holy Thursday	10 Good Friday	11
12	13	14	15	16	17	18
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### Environmental Activities and Celebrations

- March 3 - World Wildlife Day
- March 14 - International Day of Action for Rivers
- March 21 - International Day of Forests
- March 22 - World Water Day

April 22 - Earth Day



# 2020



# DAVAO RIVER'S HEADWATERS IN BUKIDNON

Bukidnon houses headwaters of six major rivers which drain discharge to five provinces and three major cities (including Davao City). Protection and sustainable management of Bukidnon's watersheds is critical not only for water supply of Mindanaons but also for irrigation of agricultural lands and electricity through hydroelectric power generated by the National Power Corporation. Bukidnon's landscape offers favorable weather conditions and abundant supply of raw materials for feeds which are both advantageous to livestock and poultry industry. The province has over a thousand small and medium firms along with large agribusiness corporations which are into monocrop plantations and cattle and feedlot operations.

Degradation of natural forest cover has led to soil erosion, flooding of crop lands and disruption of irrigation systems. Unsustainable agriculture and unregulated agribusiness likewise have severe impacts to the water supply and quality. Protection and rehabilitation initiatives in downstream communities in surrounding provinces and cities are compromised if pollution occurs and remains undressed at the source.



## CHALLENGE

IDIS is a member of the Davao River Basin Management Alliance and will be working on the collaboration of both Davao City and the Province of Bukidnon in ensuring Davao River Basin protection, rehabilitation and sustainable management.

## MAY

## JUNE

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					1 Labor Day	2
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### Environmental Activities and Celebrations

May - Month of the Oceans  
 May 10 - World Migratory Day  
 May 22 - International Day of Biodiversity

June - Philippine Environment Month  
 June 4-10 - Philippine Eagle Week  
 June 4 - Butterfly Awareness Day  
 June 5 - World Environment Day  
 June 8 - World Ocean's Day

June 9 - Coral Triangle Day  
 June 16 - World Sea Turtle Day  
 June 17-23 - World Pollinator Day  
 June 17 - World Day to Combat Desertification and Drought  
 June 25 - National Arbor Day



# 2020



A great fertile plain marks the heartland of the province, hence the former name Compostela Valley. The province is known for its water resources, with over 300 hot and cold springs, over 100 creeks, and lakes. The hydro-geological characteristic of the province is considered favorable, with potable water through spring development available in all municipalities. However, the province's four major watersheds are all under critical condition (PENRO-DENR, 2015). Several rivers are likewise critical as they served as drainage of waste from mining operations. Abundant gold deposits are found within production and protection forests, with the province dubbed as gold district in the region. Mining and quarrying are spread across over 175 square kilometers, almost 2,500 square kilometers more are recorded with mining application and explorations (MGB 2007) and over 729 hectares are declared people's small-scale mining areas (PENRO-LGU, 2015).

Agriculture remains to be the major economic activity of the province, especially on banana production among other high value crops. The province's level of urbanization is also increasing at 38.65% and with Pantukan and Compostela with over 50% urbanization.

# DAVAO DE ORO'S RICHNESS



**CHALLENGE**  
 IDIS in partnership with IDEALS assisted aerial spray-affected communities in Compostela and Mawab in water monitoring and resource mapping.

## JULY

## AUGUST

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30	31					

National Heroes Day

### Environmental Activities and Celebrations

- July - National Disaster Consciousness Month
- July 11 - World Population Day
- July 26 - International Day for the Conservation of the Mangrove Ecosystem

August 30 - International World Whale Shark Day



# 2020



# SOUTH COTABATO'S NATURAL WONDERS

Known as the land of dreamweavers, South Cotabato is home to indigenous peoples and famous Lake Sebu and Holon.

The province houses large deposits of mineral resources. Open pit mining (small scale mining operations still operate within the province) has been successfully banned since 2010, although it remains to be legally challenged. The province chose food over mines since the proposed mine will dry up lowland rivers, among other environmental damages. The province likewise disapproved the coal mining project in Lake Sebu, posed to excavate as much as 200 feet of soil. Both environmentally destructive projects have been opposed based on the province's Environment Code which prohibits open pit method in mining.

The province asserts that the provision of basic services and improvement of living conditions of communities in these areas are accountabilities of the local government. Mining, advertised as the quick poverty reduction strategy, is not the sustainable, long-term solution and will create irreversible damage to the province.



#### CHALLENGE

IDIS has committed to contribute in the development and implementation of Koronadal City's Blok Creek Rehabilitation, Protection, Management and Development Plan.

## SEPTEMBER

## OCTOBER

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11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

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### Environmental Activities and Celebrations

September - Davao City Lunhaw Month  
 September 16 - International Day of Preservation of Ozone Layer  
 September 18 - World Water Monitoring Day  
 September 20 - World Parks Day  
 September 24 - World Rivers Day

October - National Tamaraw Month  
 October 16 - World Food Day  
 October 24 - International Day of Climate Action  
 October 20-26 - International Lead Poisoning Prevention Week



# 2020



The province's terrain varies from flat, fertile plains to irregular landscape of wide valleys, scattered hills and mountain ranges.

Typhoons do not pass through Cotabato and rainfall is evenly distributed throughout the year. The province's productive soil is best suited for intensive crops like rice and corn. It is also home to major industries including rubber, coconut, palm oil and corn. With the pressure to provide massive-scale livelihood, the threat of unsustainable farming practices remains.

But the province has passed its Organic Agriculture Code, which aims to promote and link organic farmers to the international market and define organic zones in the province. Many farmers are already practicing organic farming in the province but don't have access to the market. Mindanao contributed almost half of total organic rice production in the Philippines, majority of those organic rice farmers in Mindanao are from North Cotabato.

# COTABATO'S SUSTAINABLE FARMING



## CHALLENGE

IDIS, being a member of Go Organic Mindanao together with other partners, are advocating for the upliftment of sustainable agriculture through policy interventions, farming innovations, and information dissemination.

## NOVEMBER

## DECEMBER

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22	23	24	25	26	27	28
29	30 Bonifacio Day					

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6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25 Christmas Day	26
27	28	29	30 Rizal Day	31		

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### Environmental Activities and Celebrations

November - Organic Agriculture Month; Philippine Clean Air Month; and National Environmental Awareness Month  
November 19-25 - National Climate Change Consciousness Week

December 3 - International Day of No Pesticides Use  
December 10 - International Mountain Day